JVC

SERVICE MANUAL

REAR PROJECTION TELEVISION

AV-48P776/H, AV-48P786/H, AV-56P776/H, AV-56P786/H

BASIC CHASSIS
SR

[AV-56P776]

I'Art PRO

D.I.S.T. Digital Image Scaling Technology

HIGH DEFINITION TELEVISION HDTV MONITOR

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

DCR DOLBY DIGITAL

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SPECIFICATION

Items		Contents	
		AV-48P776 AV-48P786	**AV-56P776 AV-56P786**
Dimensions (W × H × D)		120.0cm × 118.9cm × 62.2cm (47-1/4" × 46-7/8" × 24-1/2")	136.8cm × 129.6cm × 66.7cm (53-7/8" × 51-1/8" × 26-3/8")
Mass		77kg (170 lds)	83.5kg (184 lds)
TV RF System (Analog / Digital)		Analog : CCIR (M) Digital : ATSC terrestrial / Digital cable	
Color System (Analog)		NTSC	
Sound System (Analog)		BTSC system (Multi Channel Sound)	
Teletext System (Analog)		Closed caption (T1-T4 / CC1-CC4)	
Receiving Channels and Frequency (Analog)	VHF Low VHF High UHF	02ch~06ch : 54MHz~88MHz 07ch~13ch : 174MHz~216MHz 14ch~69ch : 470MHz~806MHz	
	CATV	54MHz~864MHz Low Band : 02~06 High Band : 07~13 Mid Band : 14~22 Super Band : 23~36 Hyper Band : 37~64 Ultra Band : 65~94, 100~135 Sub Mid Band : 01, 96~99	
TV / CATV Total Channel		191 Channels	
Intermediate Frequency (Analog)	Video IF Sound IF	45.75MHz 41.25MHz (4.5MHz)	
Color Sub Carrier (Analog)		3.58MHz	
Power Input		AC 120V, 60Hz	
Power Consumption		259W (Max)	
Screen		Transparent screen (unitized fresnel lens / double lenticular lens)	
Screen Size		48" (122cm) Measured diagonally (W:106.3 cm, H:59.8 cm), 16:9 ratio	56" (142cm) Measured diagonally (W:124 cm, H:69.8 cm), 16:9 ratio
Projection Tube		17cm (6.7") tube × 3 (R/G/B)	
High Voltage		31.6kV [+1.0kV / -1.5kV] (at zero beam current)	
Speaker		13cm round type × 2	
Audio Power Output		10W+10W (Full range)	
Antenna Terminal (VHF/UHF, ATSC / DIGITAL CABLE IN)		75Ω unbalanced, coaxial, F-type connector × 1	
Video / Audio Input [INPUT-1/2/3/4]	Component Video [INPUT-1/3] 1125i / 750p 525p / 525i S-Video [INPUT-1/2/4] Video Audio	RCA pin jack × 6 Y : 1V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), positive (Negative sync provided), 75 Ω Pb/Pr : 0.7V(p-p), 75 Ω Mini-DIN 4 pin × 3 Y: 1V (p-p), positive (Negative sync provided), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), positive (Negative sync provided), 75 Ω, RCA pin jack × 4 500mV (rms), high impedance, RCA pin jack × 8	
Digital Input	Video Audio	HDMI 2-row 19pin connector × 1 (Digital-input terminal is not compatible with picture signals of personal computer) Digital: HDMI 2-row 19pin connector × 1 Anarog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2	
Audio Output (FIX)		500mV(rms) (-4dBs), low impedance (1kHz when modulated 100%), (RCA pin jack × 2)	
Digital Audio Optical Output		Digital SPDIF × 1	
Remote Control Unit		RM-C1270G (AA/R6/UM-3 battery × 2)	

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Use isolation transformer when hot chassis.**
The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

(5) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED(NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.
If above note will not be kept, a fuse or any parts will be broken.

(6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(7) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).

(8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

(9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

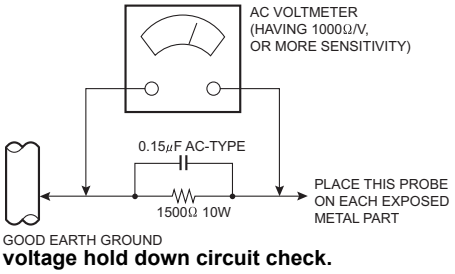
(10) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires test equipment not generally found in the service trade.

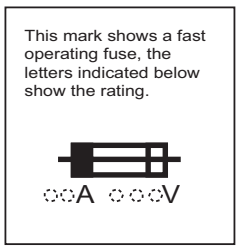
b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

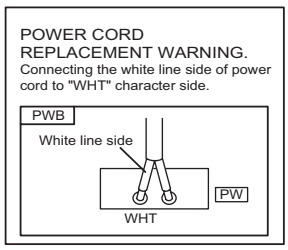
- **Alternate Check Method**

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



(11) **High voltage hold down circuit check.**
After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.See item **"How to check the high voltage hold down circuit"**.





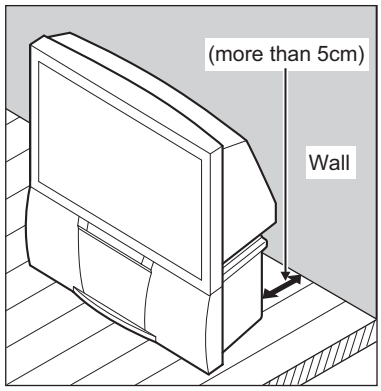
1.2 INSTALLATION

1.2.1 INSTALLATION SITE

(1) The rear of this set is provided with ventilation openings. Install the set more than 5 cm from a wall and in a location with good ventilation.

(2) Avoid the following types of locations.

a) Unstable locations (location must be able to with stand heavy weight).
b) Locations subjected to direct sunlight.
c) Near stoves or other heating devices.
d) Locations subjected to humidity or oily smoke.
e) Dusty locations.
f) Locations with strong vibration.



VENTILATION OPENING

1.2.2 INSTALLATION ADJUSTMENT

When installing, moving or changing the orientation of the set, perform static convergence adjustment according to the following procedure.

Adjusting CRT color convergence have two method, AUTO, MANUAL and RESET. It adjust on the MENU screen.

NOTE :

Please you have TV on for at least 20 minutes before sing this feature.

This adjustment will be needed only when the colors of the characters/lines are separated and lack in distinction. If not, please don't perform the adjustment.

AUTO

(1) Press the [MENU] key, and select the "CONVERGENCE" in the INITIAL SETUP menu with [function up/down] key.
(2) Press the [function left/right] key, then CONVERGENCE menu appear.
(3) Press the [function up/down] key, and select the "AUTO".
(4) Press the [function left/right] key.
(5) The convergence adjustment will start. It will take about 25 seconds.

MANUAL

(1) Press the [MENU] key, and select the "CONVERGENCE" in the INITIAL SETUP menu with [function up/down] key.
(2) Press the [function left/right] key, the CONVERGENCE menu appears.
(3) Press the [function up/down] key, and select the "MANUAL".
(4) Press the [function left/right] key, then CONVERGENCE adjustment screen appear. [Fig.1]
- If all the crosses are white, no convergence adjustment is needed.

(5) Select the location you want to adjust by using the [number (2/4/5/6/8)] keys on the remote control unit. [Fig.2]
(6) Press the [SLEEP TIMER] key to change the color of the box to the color of the cross you want to adjust (red or blue).
- You cannot adjust the green cross.

(7) Use the [function up/down] key and the [function left/right] keys to adjust the position of the cross.
(8) Adjust the three colors crosses until they overlap and appear as a single white cross.
(9) Press the [OK] key.

NOTE :

- When you adjust the convergence, make sure you start with the center position (position 5), and work your way around radial for best results.
- When you make the adjustment in the center (positions 5), you are making the adjustment for the whale screen. In other positions, you are making the adjustment only in that area.
- You can reset the adjustment if you do not like the results, See below.
- If you perform AUTO CONVERGENCE after performing MANUAL CONVERGENCE, your manual convergence you performed will be cancelled.

(10) Press the [menu] key to end the convergence adjustment procedure.

RESET

RESET in the CONVERGENCE menu resets all convergence adjustments to the factory default setting.

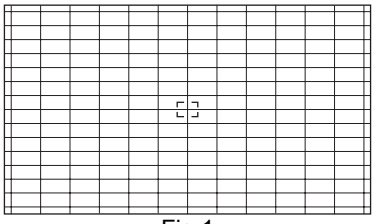


Fig.1

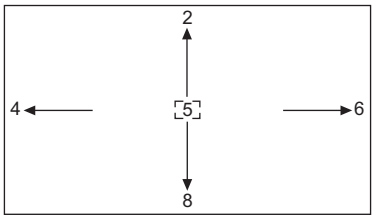


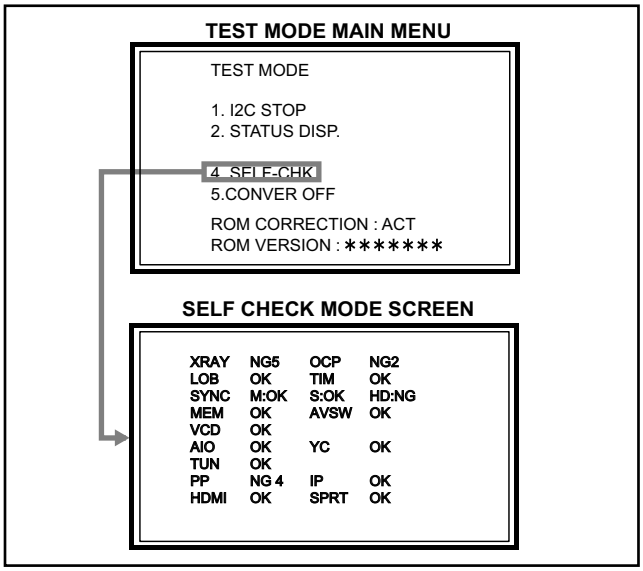
Fig.2

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 SYSTEM SETTEING

Be sure to carry out the following operation at the end of the procedure.

(1) Press the [SLEEP TIMER] key and set it to 30 minutes.
(2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the TEST MODE.
(3) Press the [4] key (SELF CHECK) .
(4) Turn off the power by pressing the [POWER] key on the remote control unit.



2.2 FEATURES

Built in ATSC (Advanced Television Systems Committee) TUNER

This TV can receive both Digital broadcasting (ATSC) and Analog broadcasting.

D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

SMART CAPTION

Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

SMART SOUND

Decreases high sound levels, giving a regulated sound level.

DIGITAL COMB FILTER

By the 3D digital comb filter, the refreshed image can be seen.

VIDEO STATUS

Expression of a favorite screen can be chosen by the VIDEO STATUS function.

DIGITAL INPUT

Digital-in will display when any picture signal in Digital-in is displayed.

V-CHIP

Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

MTS STEREO

The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

NATURAL CINEMA

Watching the movie or animation, press the Natural Cinema to adjust the out line of the images to make thin more sharp.

VIDEO INPUT LABEL

This function is used to label video input connections for the onscreen displays.

2.3 DIFFERENCE LIST

Item	AV-48P776/H	AV-48P786/H	AV-56P776/H	AV-56P786/H
BODY COLOR	SILVER	BLACK	SILVER	BLACK

2.4 TECHNICAL INFORMATION

2.4.1 MAIN MICRO COMPUTER (CPU) FUNCTION

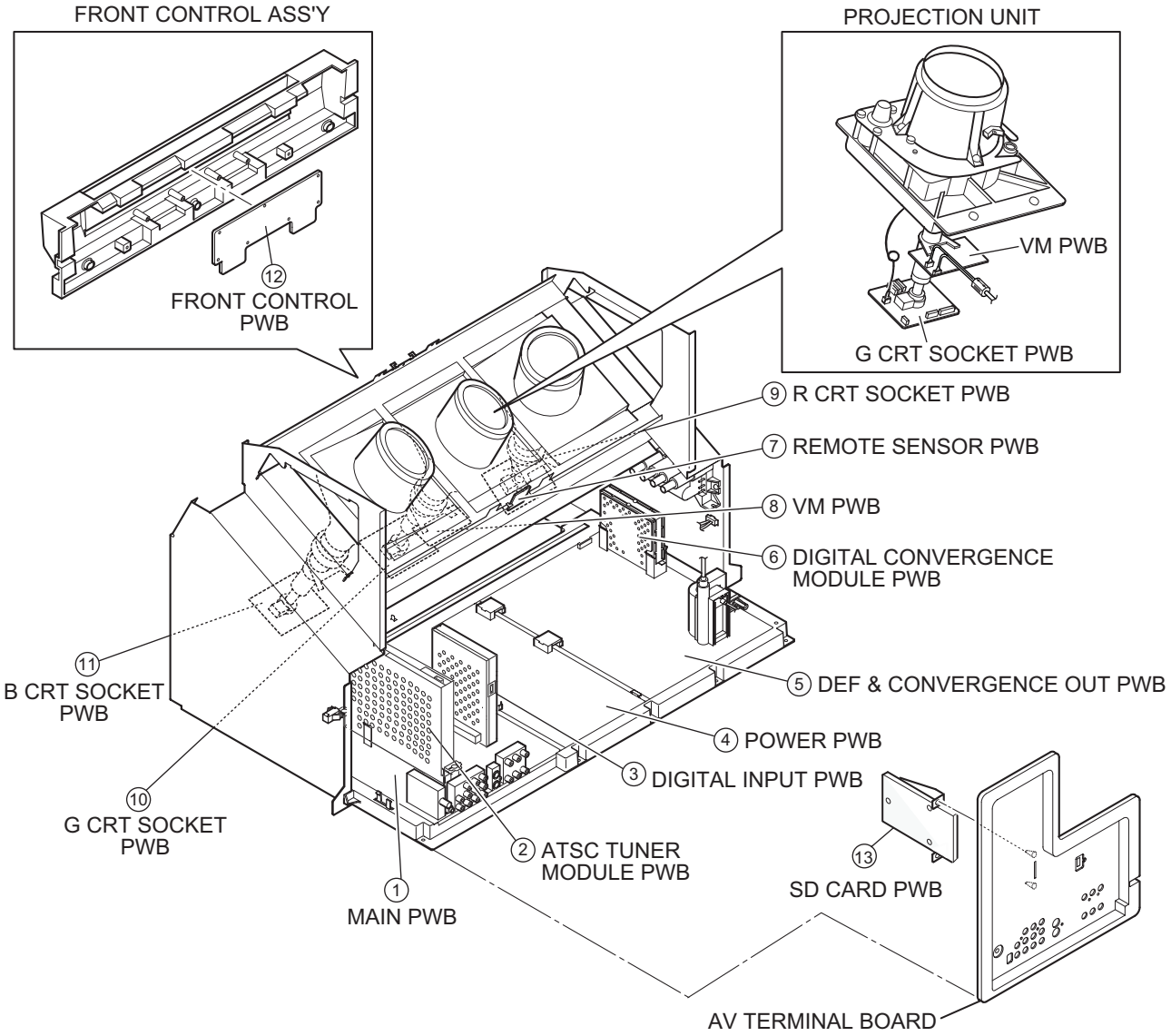
Pin No.	Pin name	I/O	Function	Pin No.	Pin name	I/O	Function
1	ATSC_RX	O	Serial communication for ATSC tuner	43	CLKSW	O	Not used
2	/MICON_V	I	V. sync for OSD	44	ON_TIM	O	Brightness control for Power/OnTimer LED [Power ON & LOW: H]
3	LB_PRO	I	Low B protect detection [Protection: H]	45	CONVER_RXD	O	Serial communication for convergence control
4	NC	-	Not used	46	CONVER_TXD	I	Serial communication for convergence control
5	/RST	I	CPU reset [Reset: L]	47	SBT1	I	Use for on board writing [Setting: H]
6	HDMI_IR	I	Interrupt request for HDMI [Empty: H]	48	NC	-	Not used
7	/TEST	I	Operation test for CPU [+3.3V Fixed]	49	ATSC_RST	O	Reset for ATSC tuner [Reset: H]
8	OSD_YS	O	Ys (blanking) for OSD	50	NC	-	Not used
9	SDA4	I/O	I^2C bus (data) for IC3001	51	OCP	I	Over current protect detection [Protection: H]
10	SYNC_SEL	O	Sync select for DIST process	52	ROTATION_L	O	Rotation control (left)
11	A_MU	O	Audio muting [Muting: H]	53	ROTATION_R	O	Rotation control (right)
12	/MICON_H	I	H. sync for OSD	54	DC_COTL	O	Black level DC reproduce control
13	BBE_SW	O	BBE control [ON: H]	55	HDMI_HP	O	HDMI control [HDCP Error: L]
14	OSDXI	-	Oscillation for OSD	56	EDID_WP	O	EDID data writing protect [Data writing: L]
15	OSDXO	-	Oscillation for OSD	57	LIGHT_DET	O	Photo sensor for DIGITAL-IN illegal copy protection
16	SDA2	I/O	I^2C bus (data) for MTS decode	58	/LOB_POW	O	Low-B power control [Power on: L]
17	AC IN	I	AC for timer clock	59	COMPLINK	I/O	Not used
18	SCL2	O	I^2C bus (clock) for MTS decode	60	/POWERGOOD	I	Not used
19	M_US_MU	O	Audio output muting [Muting: L]	61	MECA_SW	I	Machine SW interrupt detection [SW Pushing: L]
20	VCOI	I	LPF	62	/MAIN_POW	O	Main power control [Power on: L]
21	PDO	O	LPF	63	NC	-	Not used
22	/IP_RESET	O	Reset for DIST [Reset: L]	64	/B1 POW	O	B1 power control [Power on: L]
23	OSD_YM	O	YM (transparence) for OSD	65	C/N AFC1	I	Main AFT voltage for tuner
24	OSD_B	O	Blue for OSD	66	X-RAY_M	I	X-ray protect detection [Protection: under 2.2V]
25	POW_LED	O	Lighting for Power/OnTimer LED [Power ON & HIGH: H]	67	SPRT	I/O	Not used : Sprit protect detection [Error: L]
26	OSD_G	O	Green for OSD	68	KEY2	I	Front key scan voltage (CH+ / VOL+ / VOL-)
27	OSD_R	O	Red for OSD	69	KEY1	I	Front key scan voltage (CH- / MENU / SUPER FOCUS)
28	VREF	I	Reference voltage for OSD	70	SCL1	O	I^2C bus (clock) for EEP-ROM (IC1803)
29	IP_ERR	I	AMDP program load error detection [Error: L]	71	SDA1	I/O	I^2C bus (data) for EEP-ROM (IC1803)
30	IREF	I	Reference current for OSD	72	REMO	I	Remote control
31	COMP	I	Phase adjust for OSD	73	POW_DET	O	Power detection for ATSC tuner
32	AVDD	I	+3.3V	74	VSS	-	GND
33	CLL	I	Clamp low level for SUB CCD	75	OSC2	O	4MHz oscillation for system clock
34	VREFLS	I	Reference voltage for SUB CCD	76	OSC1	I	4MHz oscillation for system clock
35	SUB_CCD	I	Composite video for SUB CCD	77	VDD	I	+3.3V
36	NC	-	Not used	78	SCL0	O	I^2C bus (clock) for general
37	VSS	-	GND	79	VOUTENB	O	Boost for tuner
38	MAIN_CCD	I	Composite video for MAIN CCD	80	SDA0	I/O	I^2C bus (data) for general
39	VREFHS	I	Reference voltage for MAIN CCD	81	NC	-	Not used
40	CLH	I	Clamp high level for MAIN CCD	82	ATSC_TX	I	Serial communication for ATSC tuner
41	VDD	I	+3.3V	83	NC	-	Not used
42	SCL4	O	I^2C bus (clock) for IC3001	84	P_MU	O	Picture muting [Muting: H]

2.5 MAIN PARTS LOCATION

2.5.1 PWB ASS'Y ARRANGEMENT

The PWB ASS'Y is indicated below.

No.	PWB ASS'Y name	AV-48P776	AV-48P786	AV-56P776	AV-56P786
1.	MAIN PWB	SSR-1010A-M2	←	SSR-1012A-M2	←
2.	ATSC TUNER MODULE PWB	SSD-2201A-M2	←	←	←
3.	DIGITAL SIGNAL PWB	SSR0D010A-M2	←	SSR0D011A-M2	←
4.	POWER PWB	SSR-9001A-M2	←	←	←
5.	DEF & CONVERGENCE OUT PWB	SSR-2010A-M2	←	←	←
6.	DIGITAL CONVERGENCE MODULE PWB	SSR0K010A-M2	←	SSR0K011A-M2	←
7.	REMOTE SENSOR PWB	SSR-8001A-M2	←	←	←
8.	VM PWB	SSR-7201A-M2	←	←	←
9.	R CRT SOCKET PWB	SSR-3101A-M2	←	←	←
10.	G CRT SOCKET PWB	SSR-3201A-M2	←	←	←
11.	B CRT SOCKET PWB	SSR-3301A-M2	←	←	←
12.	FRONT CONTROL PWB	SSR0L010A-M2	←	←	←
13.	SD CARD PWB	SSR-8501A-M2	←	←	←



(This figure is only MAIN UNIT)

2.6 SCREEN HANDLING CAUTIONS

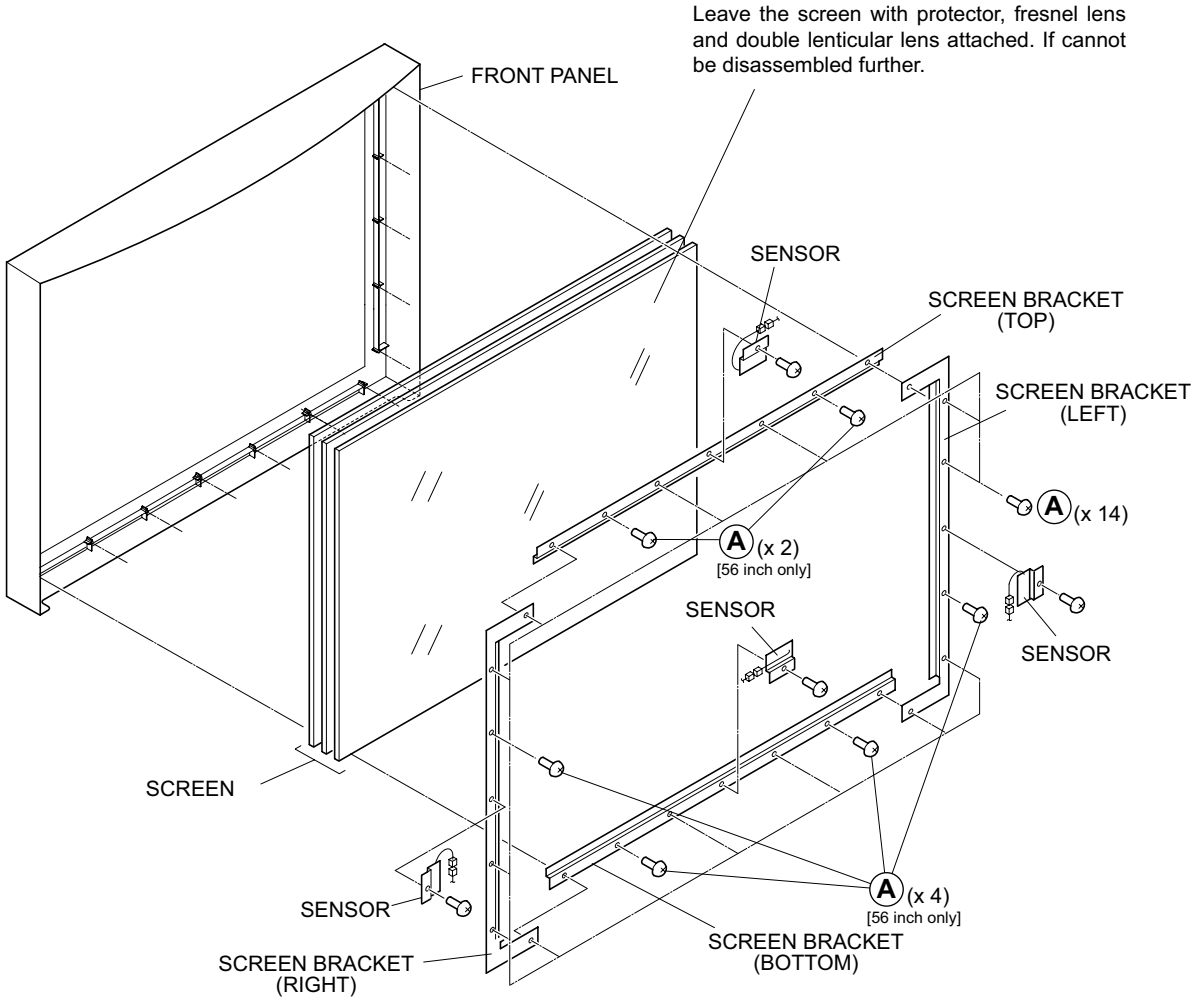
2.6.1 SCREEN STORAGE

Store the SCREEN ASS'Y in a standing position in order to avoid deformation. If the screen is stored horizontally, there is risk of deforming the screen face.
When necessary to place the SCREEN ASS'Y horizontally, position the screen side upwards and sure to place spacers between the screen and resting site (floor or stand etc.) to prevent the screen from sagging.

2.6.2 SCREEN SURFACE

Since the screen surface is easily scratched or soiled, use ample care when handling.

DISASSEMBLY PROCEDURE
If the screen or screen panel need to be replaced, remove the 14 (48 inch) / 20(56 inch) screws Ⓐ.



2.7 PROJECTION UNIT REPLACEMENT

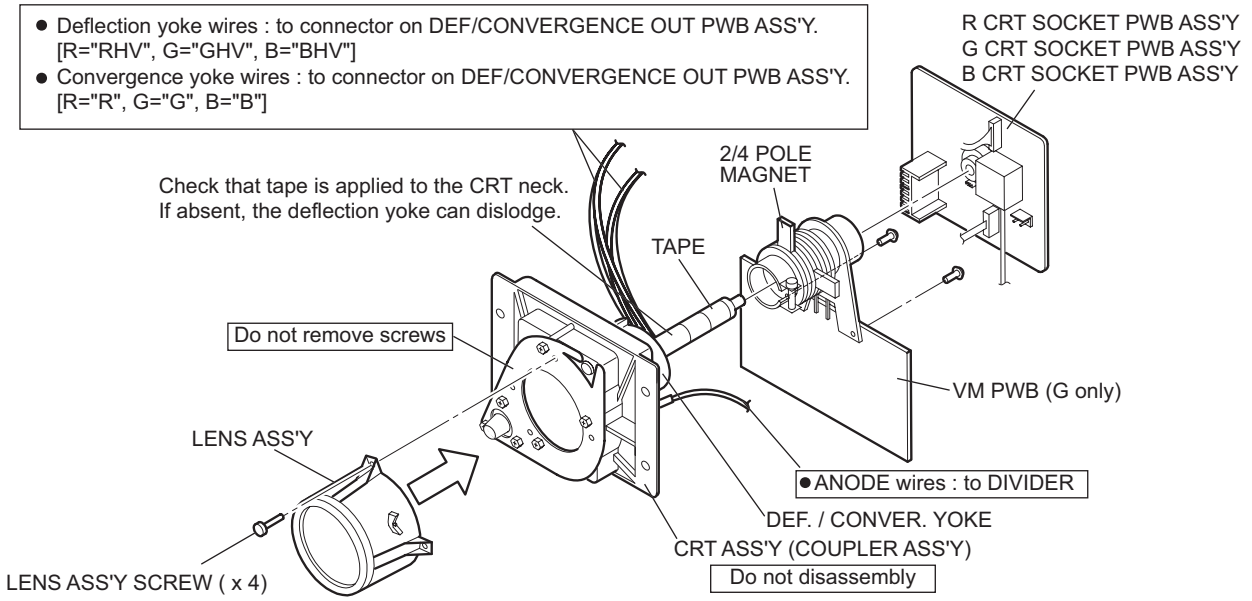
2.7.1 ADJUSTMENT DURING REPLACEMENT

When replacing the three R, G and B projection units, first replace the R and B units and perform focus / screen / raster centering adjustments with reference to the G unit. Then replace the G unit and perform G focus / screen / convergence adjustment. Finally perform R & B . Convergence adjustments. Use care to simultaneously removes all three-projection units.

2.7.2 DISASSEMBLY CAUTION

The projection units include locations that are not to be disassembled during service. When replacing projection unit parts, disassemble to the state indicated in the figure below.

The figure indicates screws and wires that are not to be removed. Use care not to remove these.


● Deflection yoke wires : to connector on DEF/CONVERGENCE OUT PWB ASS'Y. [R="RHV", G="GHV", B="BHV"]
● Convergence yoke wires : to connector on DEF/CONVERGENCE OUT PWB ASS'Y. [R="R", G="G", B="B"]
R CRT SOCKET PWB ASS'Y
G CRT SOCKET PWB ASS'Y
B CRT SOCKET PWB ASS'Y
2/4 POLE MAGNET
Check that tape is applied to the CRT neck. If absent, the deflection yoke can dislodge.
TAPE
Do not remove screws
VM PWB (G only)
LENS ASS'Y
● ANODE wires : to DIVIDER
DEF. / CONVER. YOKE
CRT ASS'Y (COUPLER ASS'Y)
Do not disassembly
LENS ASS'Y SCREW (x 4)

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

CAUTION AT DISASSEMBLY:

- **Be sure to perform the SYSTEM SETTEING, at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.1.1 REMOVING THE SPEAKER GRILL (Fig.1)

(1) Remove 2 screws **[A]** from rear side.
(2) Pull out the SPEAKER GRILL bottom to the front, and 4 claws which are fixing the SPEAKER GRILL are removed.
(3) Remove the SPEAKER GRILL.
(4) Remove the both side SPEAKER GRILL same manner.

3.1.2 REMOVING THE SPEAKER (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove 4 screws **[B]**.
(2) Remove the SPEAKER.
(3) Disconnect the speaker wire from speaker terminal.
(4) Remove the both side SPEAKER same manner.

3.1.3 REMOVING THE FRONT PANEL (Fig.1)

- Remove the SPEAKER GRILL.

(1) Remove 4 screws **[C]**.
(2) The FRONT PANEL upper is pull out to the front, and 2 claws which are fixing the FRONT PANEL are removed.
(3) Remove the FRONT PANEL.

3.1.4 REMOVING THE FRONT CONTROL BOX (Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.

(1) Remove 5 screws **[D]**.
(2) Remove the FRONT CONTROL BOX.

3.1.5 REMOVING THE FRONT CONTROL PWB (Fig.1)

- Remove the FRONT CONTROL BOX.

(1) Remove 2 screws **[E]**.
(2) Remove 3 screws **[F]** from rear side of FRONT CONTROL BOX.
(3) Remove the FRONT CONTROL PWB.

3.1.6 REMOVING THE SCREEN ASS'Y (Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the FRONT CONTROL BOX.

(1) Remove 4 screws **[G]** attaching the SCREEN ASS'Y.
(2) Remove 10 screws **[H]** from rear side.
(3) Remove the SCREEN ASS'Y.

NOTE :

- Please place the SCREEN ASS'Y on a flat table without fail.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- Use care not to scratch the screen during work.
- During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- When than supporting the SCREEN ASS'Y, avoid grasping the top of the screen panel, instead grasp the left and right areas.

3.1.7 REMOVING THE CONVERGENCE SENSOR (Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the FRONT CONTROL BOX.
- Remove the SCREEN ASS'Y.

(1) Remove 1 screw [I] attaching the SENSOR HOLDER.
(2) Remove the claw of the SENSOR HOLDER then remove the CONVERGENCE SENSOR.
(3) Remove the 3 others CONVERGENCE SENSOR same manner.

3.1.8 REMOVING THE MIRROR (Fig.1)

- Remove the SPEAKER GRILL
- Remove the FRONT PANEL.
- Remove the FRONT CONTROL BOX.
- Remove the SCREEN ASS'Y.

(1) Remove 9 screws **[J]** attaching the mirror brackets of the upper, left and right side.
(2) Raise slightly to disengage of the mirror from the bottom bracket. (If necessary, loosen the screws attaching the bottom bracket)
(3) Remove the MIRROR.

NOTE :

- The MIRROR is front coated. Do not touch the front of the MIRROR.
- At least 2 persons are recommended for removable and reassemble.

3.1.9 REMOVING THE REAR COVER (Fig.1)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the FRONT CONTROL BOX.
- Remove the SCREEN ASS'Y.
  (1) Remove 2 screws **[K]**.
  (2) Remove 2 screws **[L]** from front side.
  (3) Slightly pull for backside to disengage of the REAR COVER from hooks.
  (4) Remove the REAR COVER.

NOTE :

- Because of the large size, at least 2 persons are recommended for removal and reassemble.

3.1.10 REMOVING THE REAR PANEL (Fig.1)

(1) Remove 12 screws **[M]**.
(2) Remove the REAR PANEL.

3.1.11 REMOVING THE PARTITION (Fig.1)

- Remove the REAR PANEL.
  (1) Pull out the PARTITION backward.

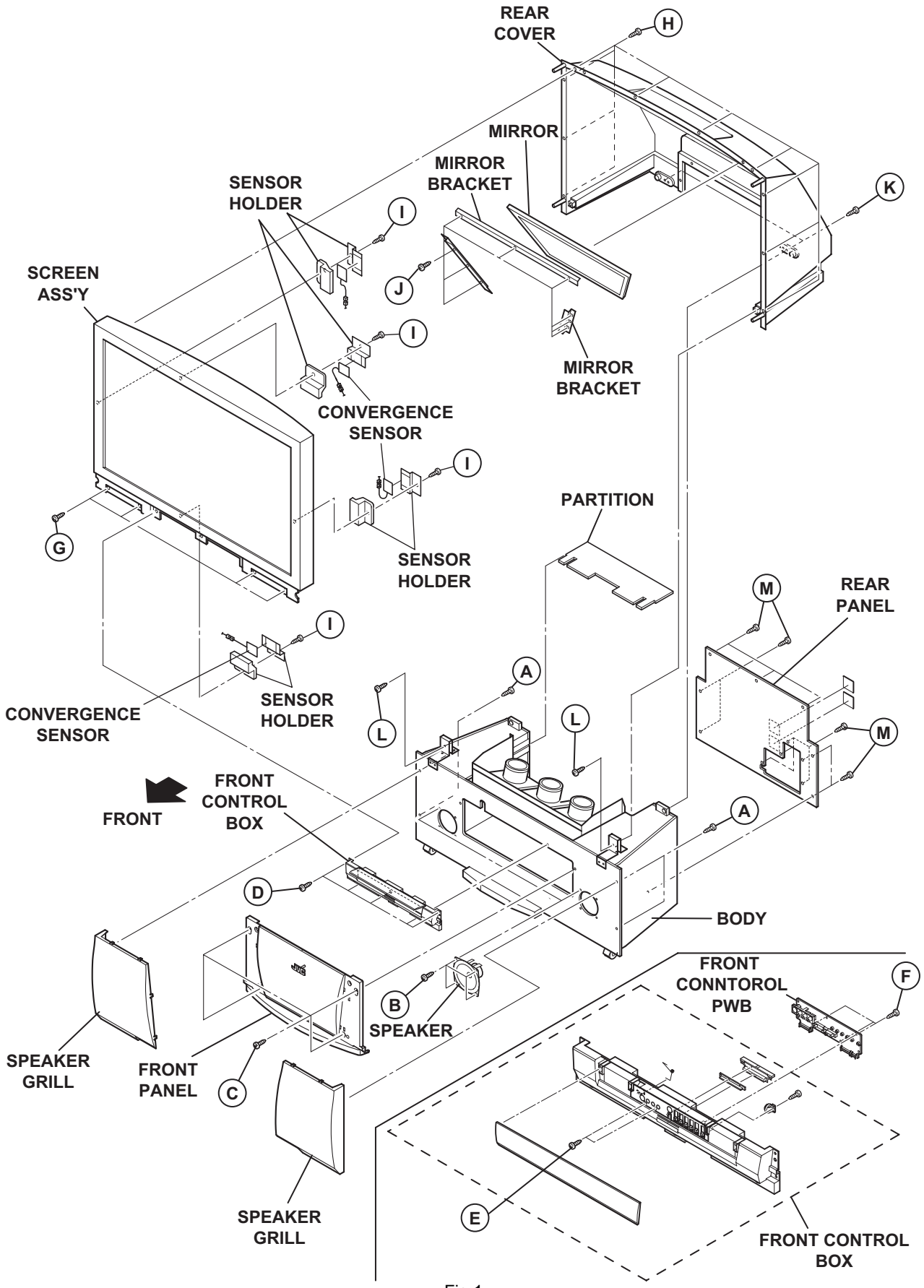

REAR COVER
H
MIRROR
MIRROR BRACKET
SENSOR HOLDER
I
K
J
SCREEN ASS'Y
I
MIRROR BRACKET
CONVERGENCE SENSOR
I
PARTITION
G
SENSOR HOLDER
M
REAR PANEL
I
A
CONVERGENCE SENSOR
SENSOR HOLDER
L
L
M
FRONT
FRONT CONTROL BOX
A
D
BODY
FRONT CONNTOROL PWB
F
B
SPEAKER
SPEAKER GRILL
FRONT PANEL
C
E
SPEAKER GRILL
FRONT CONTROL BOX

Fig.1

3.1.12 REMOVING THE MAIN UNIT (Fig.3)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the FRONTCONTROL BOX.
- Remove the REAR PANEL.
  (1) Remove 4 screws [N] from front side of both sides.
  (2) Remove 2 screws [O] attaching the MAIN CHASSIS and BODY.
  (3) Remove the SPEAKER CONNECTOR.
  (4) Pull out the MAIN UNIT rear side.

NOTE :

- Except for confirmation of projection of images on the screen and audio output through the speakers, the removed MAIN UNIT is still workable in the same state as if it is still built-in the TV set. Therefore, the MAIN UNIT can be removed, if necessary, for board diagnosis, electric testing, etc. apart from confirmation of screen images and audio output.
- When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.
- Because of the large size, at least 2 persons are recommended for removal and reassemble.
- When carrying the MAIN UNIT, use care not to drop, shock or shake it.
- Do not stain or damage the lens of the PROJECTION UNIT.
- Do not look the projection side of a PROJECTION UNIT when the image is projected.

3.1.12.1 CHECKING THE P.W. BOARD (Fig.2)

When checking the MAIN PWB, POWER PWB, DEF & CONVERGENCE OUT PWB, etc., raise the MAIN UNIT with the front side down for the make of convenience.

3.1.12.2 REMOVING THE FOCUS PACK (Fig.2)

- Remove the MAIN UNIT.
  (1) Remove 1 screw **[P]**.
  (2) Remove the FOCUS PACK.
  (3) Remove wires connecting the FOCUS PACK.

3.1.13 REMOVING THE AV TERMINAL BOARD (Fig.2)

- Remove the REAR PANEL.
  (1) Remove 1 screws **[Q]**.
  (2) Remove 5 screws **[R]**.
  (3) Pull out the POWER CORD CLAMP from AV TERMINAL BOARD right side.
  (4) Remove the AV TERMINAL BOARD.

3.1.13.1 REMOVING THE SD CARD PWB (Fig.2)

- Remove the REAR PANEL.
- Remove the AV TERMINAL BOARD.
  (1) Remove 2 screws **[S]**.
  (2) Remove the SD CARD PWB.

3.1.14 REMOVING THE MAIN CHASSIS (Fig.2)

- Remove the REAR PANEL.
  (1) Remove 2 screws **[T]**.
  (2) Pull out the MAIN CHASSIS for backside.

NOTE :

- If necessary, remove the anode wires, connectors, respectively.

3.1.15 REMOVING THE DIGITAL SIGNAL PWB (Fig.2)

- Remove the REAR PANEL.
- Remove the AV TERMINAL BOARD.
- Remove the MAIN CHASSIS.
  (1) Remove the craw **[U]** on the CN1004 connector.
  (2) Remove the DIGITAL SIGNAL PWB.

3.1.15.1 REMOVING THE ATSC TUNER MODULE PWB (Fig.2)

- Remove the REAR PANEL.
- Remove the AV TERMINAL BOARD.
- Remove the MAIN CHASSIS.
  (1) Remove 2 screws **[V]**.
  (2) Pull out the ATSC TUNER MODULE PWB.

3.1.15.2 REMOVING THE DIGITAL CONVERGENCE MODULE PWB (Fig.2)

- Remove the REAR PANEL.
- Remove the AV TERMINAL BOARD.
- Remove the MAIN CHASSIS.
  (1) Remove 2 screws **[W]**.
  (2) Pull out the DIGITAL CONVERGENCE MODULE PWB.

3.1.15.3 REMOVING THE DEF & CONVERGENCE OUT PWB (Fig.2)

- Remove the REAR PANEL.
- Remove the MAIN CHASSIS.
  (1) Remove 1 screw **[X]**.
  (2) Remove the DEF & CONVERGENCE OUT PWB.

3.1.16 REMOVING THE POWER PWB (Fig.2)

- Remove the REAR PANEL.
- Remove the MAIN CHASSIS.
  (1) Remove 1 screw **[Y]**.
  (2) Remove the POWER PWB.

3.1.16.1 REMOVING THE PROJECTION UNIT (Fig.2)

- Remove the SPEAKER GRILL.
- Remove the FRONT PANEL.
- Remove the FRONT CONTROL BOX.
- Remove the REAR PANEL.
- Remove the MAIN UNIT.
  (1) Remove the CRT SOCKET PWB.
  (2) Remove 4 screws **[Z]**.
  (3) Pull out the PROJECTION UNIT upward.

NOTE :

- Refer to "PROJECTION UNIT REPLACEMENT" when taking out and replacing the PROJECTION UNIT.
- When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.

3.1.16.2 REMOVING THE HV DIVIDER (Fig.2)

- Remove the REAR PANEL.
  (1) Remove 1 screw **[a]**.
  (2) Remove the HV DIVIDER.

NOTE :

- Wires of the transformer (FBT) and CRT of each PROJECTION UNIT can be removed by turning the connector portions.
- If necessary, remove the anode wires, and replacing the HV DIVIDER, take care to correctly engage the connector.

3.1.16.3 REMOVING THE REMOTE SENSOR PWB (Fig.2)

- Remove the REAR PANEL.
  (1) Remove 1 screw **[b]**.
  (2) Remove the REMOTE SENSOR PWB.

3.1.16.4 REMOVING THE COOLANT PAN (Fig.2)

- Remove the REAR PANEL.
  (1) Remove 2 screw **[c]**.
  (2) Remove the COOLANT PAN.

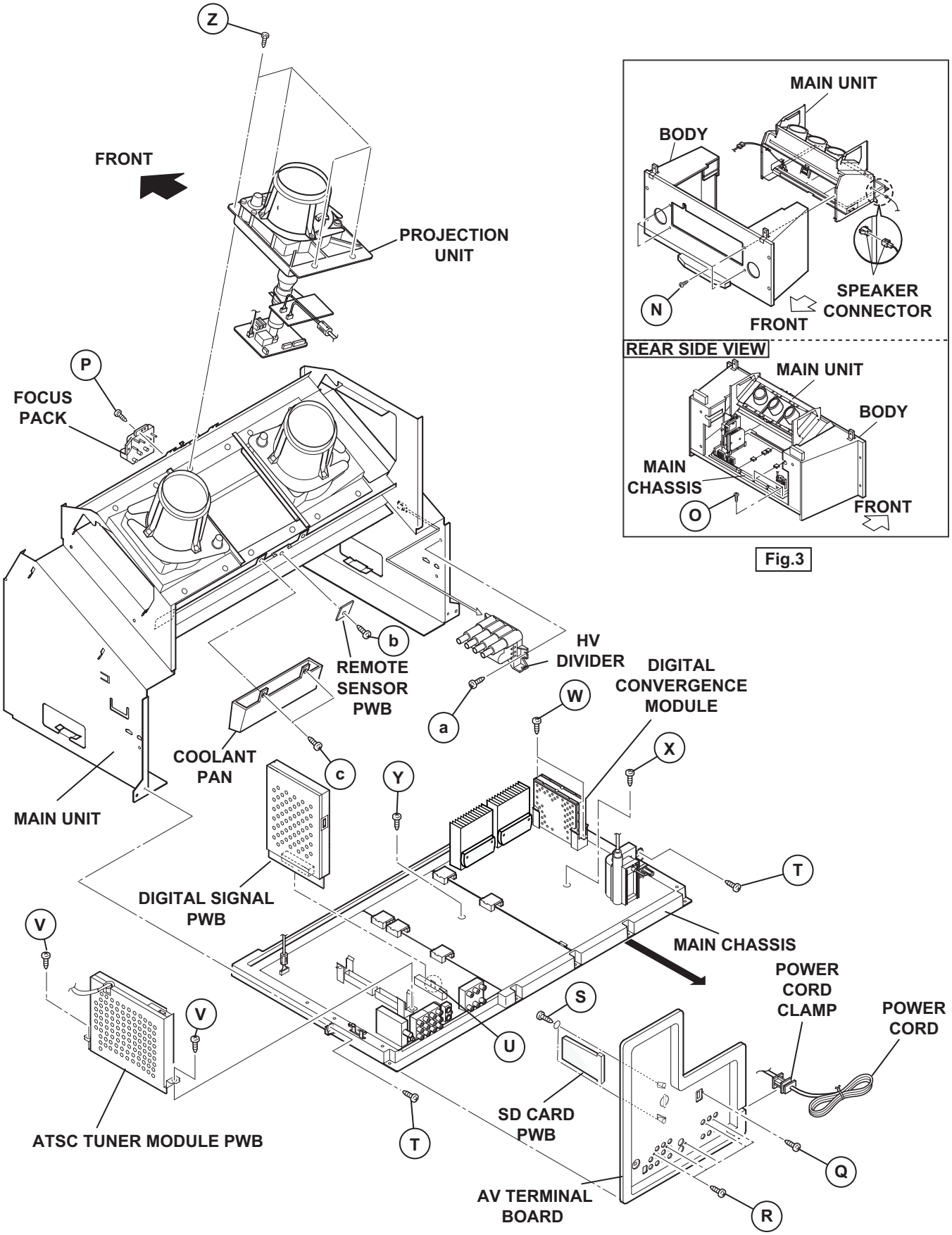

Z
FRONT
PROJECTION UNIT
P
FOCUS PACK
b
REMOTE SENSOR PWB
HV DIVIDER
a
W
DIGITAL CONVERGENCE MODULE
X
COOLANT PAN
c
Y
MAIN UNIT
DIGITAL SIGNAL PWB
T
V
MAIN CHASSIS
POWER CORD CLAMP
POWER CORD
S
V
U
SD CARD PWB
ATSC TUNER MODULE PWB
T
Q
AV TERMINAL BOARD
R
MAIN UNIT
BODY
N
SPEAKER CONNECTOR
FRONT
REAR SIDE VIEW
MAIN UNIT
BODY
MAIN CHASSIS
O
FRONT

Fig.3

Fig.2

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC LIST

Simbol	Number of pins	Mounting PWB	Main content of data
IC1803	8-pin	MAIN PWB	Initial setting data is memorized.

3.2.2 MEMORY IC REPLACEMENT PROCEDURE

1. POWER OFF

Switch off the power and disconnect the power plug.

2. REPLACE THE MEMORY IC

Be sure to use the memory IC written with the initial setting values.

3. POWER ON

Connect the power plug to the AC outlet and switch on the power.

4. RECEIVING CHANNEL SETTING

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. USER SETTING

Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE SETTING

Verify what to set in the SERVICE MODE, and set whatever is necessary. Refer to the INITIAL SETTING VALUE OF SERVICE MENU.

3.2.3 SERVICE ADJUSTMENT ITEM

SERVICE MODE MAIN MENU

1.PICTURE/SOUND	7.CONVER B
2.YC SEP	8.IP
3.WHITE BALANCE	9.DSD
4.MEMORY SETUP	0.HDMI
5.RF AFC	
6.CONVER A	

Setting items	Settings	Item No.
1.PICTURE/SOUND (Video / Audio setting)		
Audio circuits (A)	Adjust	A01 to A27
Video circuits (S)	Adjust	S01 to S99
Deflection circuits (D)	Adjust	D01 to D32
Factory setting items (F)	Fixed	F01 to F86
2.YC SEP (3D YC separation setting) **[Do not adjust]**		
	Fixed	YCM001 to YCM131
3.WHITE BALANCE (White balance adjustment)		
	Adjust	BR DRV R DRV B CUT R CUT G CUT B
4.MEMORY SETUP (Memory data edit) **[Do not adjust]**		
5.RF AFC (AFC setting) **[Do not adjust]**		
	Fixed	---
6.CONVER A (Convergence adjustment)		
	Adjust	CPA01 to CPA11
	Adjust	CCA01 to CCA12
	Adjust	CBA01 to CBA94
7.CONVER B (Convergence adjustment)		
	Adjust	---
8.IP (DIST processing setting) **[Do not adjust]**		
	Fixed	IPA001 to IPA042
9.DSD (Digital super detail setting) **[Do not adjust]**		
	Fixed	DSA001 to DSA053
	Fixed	DSB001 to DSB053
	Fixed	DSC001 to DSC044
	Fixed	DSD001 to DSD017
0.HDMI (Digital input processing setting) **[Do not adjust]**		
	Fixed	HDM001 to HDM080
	Fixed	RHD001 to RHD170

3.2.4 SETTINGS OF FACTORY SHIPMENT

3.2.4.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10

3.2.4.2 REMOTE CONTROL DIRECT OPERATION

Setting item		Setting position
INPUT		TV
CHANNEL		CABLE-02
VOLUME		10
MUTING		OFF
DISPLAY		OFF
ASPECT		REGULAR
SLEEP TIMER		OFF
THEATER PRO		OFF
VIDEO STATUS		DYNAMIC
C. C.		OFF
SOUND	HYPER SURROUND	OFF
	SMART SOUND	OFF
MTS		STEREO

3.2.4.3 REMOTE CONTROL MENU OPERATION

1. SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00

2. CLOCK / TIMERS

Setting item	Setting position
SET CLOCK	MANUAL
ON / OFF TIMER	NO

3. INITIAL SETUP

Setting item	Setting position
DIGITAL-IN	AUTO
DIGITAL-AUDIO	AUTO
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF
VIDEO INPUT LABEL	All blank
POSITION ADJUSTMENT	Center
POWER INDICATOR	HIGH
LANGUAGE	ENG.
CLOSED CAPTION	OFF (CC1,T1)
AUTO SHUT OFF	OFF
XDS ID	ON
V-CHIP	OFF

4. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

< NTSC MODE >

Setting item	TINT	COLOR	PICTURE	BRIGHT	DETAIL	COLOR TEMPERATURE	DIG. NOISE CLEAR	NATURAL CINEMA	VSM
STANDARD	00	00	00	00	00	LOW	OFF	AUTO	ON
DINAMIC	00	00	+10	00	+05	LOW	OFF	AUTO	ON
THEATER	00	00	00	00	00	HIGH	OFF	AUTO	ON
GAME	00	00	-10	00	0	HIGH	OFF	AUTO	ON

< HD MODE >

Setting item	TINT	COLOR	PICTURE	BRIGHT	DETAIL	COLOR TEMPERATURE	DIG. NOISE CLEAR	NATURAL CINEMA	VSM
STANDARD	00	00	00	00	00	LOW	OFF	AUTO	ON
DINAMIC	00	00	+05	00	+10	HIGH	OFF	AUTO	ON
THEATER	00	00	00	00	00	LOW	OFF	AUTO	ON
GAME	00	00	-10	00	00	HIGH	OFF	AUTO	ON

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

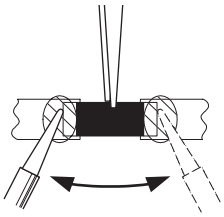
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

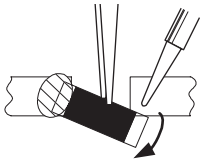
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



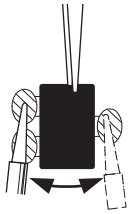
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

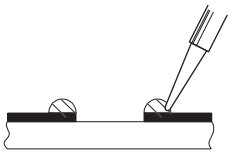


Note :
After removing the part, remove remaining solder from the pattern.

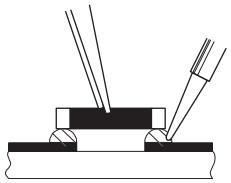
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

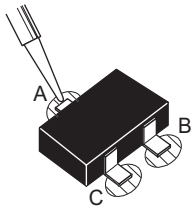


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

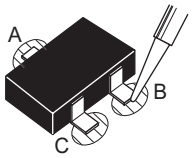


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) You can make the necessary adjustments for this unit with either the Remote Control Unit or with the adjustment tools and parts as given below.
(2) Adjustment with the Remote Control Unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.
(3) Make sure that AC power is turned on correctly.
(4) Turn on the power for set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
(5) Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
(6) Never touch any adjustment setting value which are not specified in the list for this adjustment.
(7) Presetting before adjustment
Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

SETTING POSITION

Setting item	Setting position
VIDEO STATUS	STANDARD
TINT / COLOR / PICTURE / BRIGHT / DETAIL	00 (Center)
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
NATURAL CINEMA	AUTO
VSM (Velocity Scan Modulation)	OFF
BASS / TREBLE / BALANCE	00 (Center)
ASPECT	FULL
VERTICAL POSITION	Center
ON/OFF TIMER	OFF
AUTO SHUTOFF	OFF

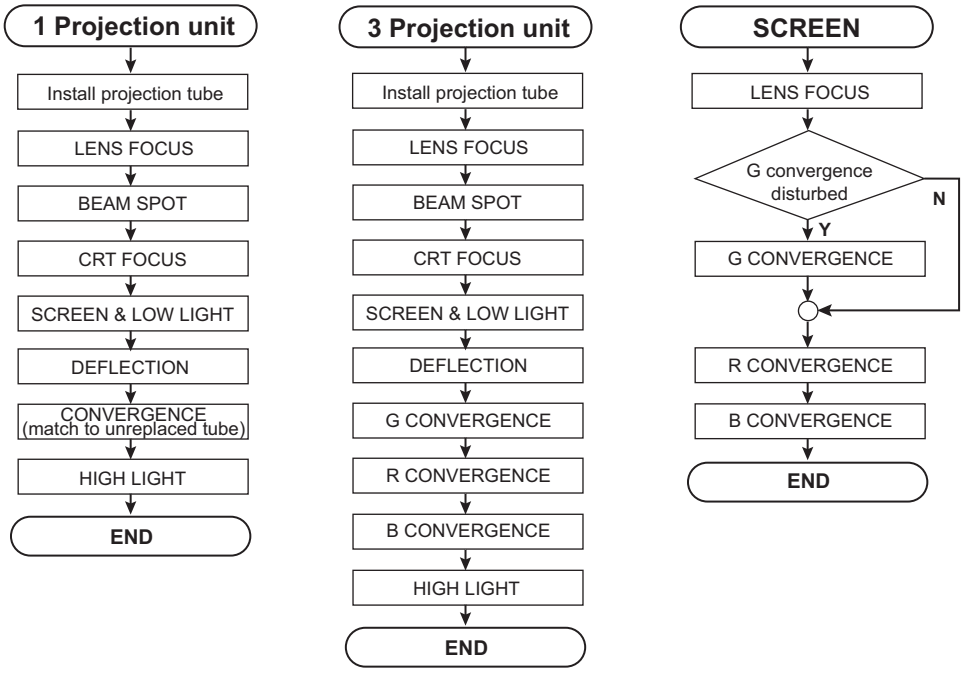
4.2 MEASURING INSTRUMENT AND FIXTURES

(1) DC voltmeter (or digital voltmeter)
(2) Oscilloscope
(3) Signal generator (Pattern generator)
[NTSC / 480i / 480p / 720p / 1080i]
(4) TV audio multiplex signal generator
(5) Remote control unit

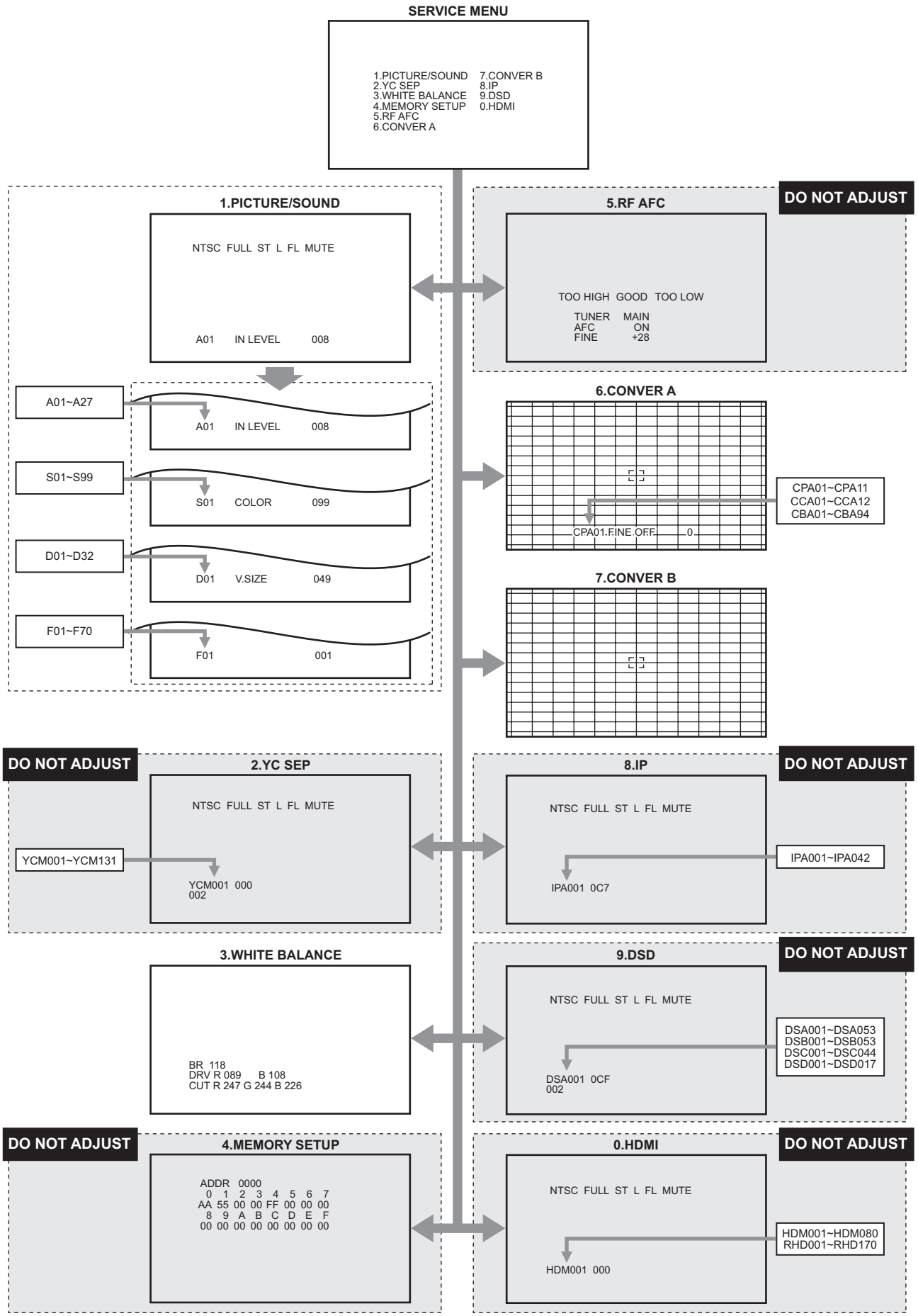
4.3 ADJUSTMENT FLOWCHART

WHEN REPLACING SCREEN AND PROJECTION UNIT

• Contains only the main adjustments. Also confirm other adjustments as required.



4.4 BASIC OPERATION OF SERVICE MENU



4.4.1 TOOL OF SERVICE MODE OPERATION

Operate the SERVICE MODE with the REMOTE CONTROL UNIT.

4.4.2 SERVICE MODE ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MODE.

1.PICTURE/SOUND	This sets the setting values of the Video / Audio / Deflection circuits.
2.YC SEP	This is used when the YC separation circuit is adjusted. **[Do not adjust]**
3.WHITE BALANCE	This sets the setting values of the WHITE BALANCE.
4.MEMORY SETUP	This sets the setting values of the MEMORY ADDRESS. **[Do not adjust]**
5.RF AFC	This is used when the IF VCO is adjusted. **[Do not adjust]**
6.CONVER A	This is used when the CONVERGENCE is adjusted.
7.CONVER B	This is used when the CONVERGENCE is adjusted.
8.IP	This sets the setting value of the DIST circuit. **[Do not adjust]**
9.DSD	This sets the setting value of the DSD (Digital super detail) circuit. **[Do not adjust]**
0.HDMI	This sets the setting value of the Digital input circuit. **[Do not adjust]**.

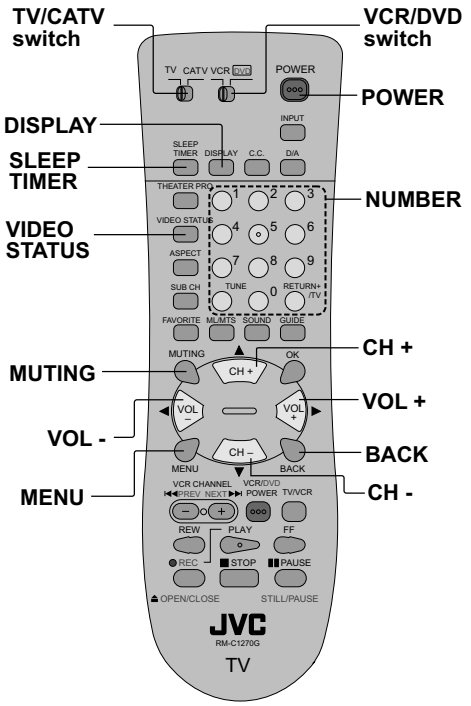
4.4.3 HOW TO ENTER THE SERVICE MODE

(1) Set the SLLEP TIMER to 0 minutes using the [SLEEP TIMER] key.
(2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the SERVICE MODE.
(3) When the main menu is displayed, press any key of the [0] to [9] key to enter the corresponding sub menu mode.

NOTE:

Before entering the SERVICE MODE, confirm that the setting of TV / CATV switch of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD switch is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MODE.

SERVICE MODE SELECT KEY



4.4.4 HOW TO STORE OF SETTING VALUE

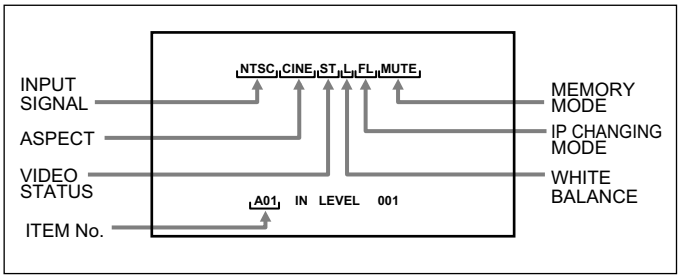
When adjustment is completed, press the [MUTING] key to memorize the adjustment value. If not to do it, adjustment data is not memorized to the memory IC. And if exit the adjustment mode before memorize the data, the adjustment value which you change is canceled.

4.4.5 HOW TO EXIT THE SERVICE MODE

Press the [BACK] key to exit the SERVICE MODE.

4.4.6 DESCRIPTION OF STATUS DISPLAY

The status display on the upper part of the SERVICE MODE screen is common (to all models).



(1) INPUT SIGNAL

NTSC	: Composite, S-video (Y / C), RF, No signal
DVD	: 480i (component)
ED	: 480p
HD	: 1080i
750p	: 720p
HDVD	: HDMI 480i
HED1	: HDMI 480p SIZE1
HED2	: HDMI 480p SIZE2
HHD	: HDMI 1080i
H750	: HDMI 720p
ADVD	: ATSC 480i
AED	: ATSC 480p
AHD	: ATSC 1080i
A750	: ATSC 720p

(2) ASPECT

FULL	: FULL
PANO	: PANORAMA
CINE	: CINEMA
REGU	: REGULAR

(3) VIDEO STATUS

ST	: STANDARD
DA	: DYNAMIC
TH	: THEATER
GA	: GAME

(4) WHITE BALANCE

H	: HIGH
L	: LOW

(5) IP CHANGING MODE

FL	: FRAME
LI	: LINE
23	: COMPULSORY NATURAL CINEMA IN

(6) MEMORY MODE

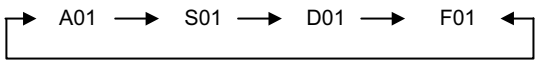
MUTE	: Press [MUTING] key
DIR	: Store the data to the memory at the same time.

4.4.7 SERVICE MODE SETTING

1. PICTURE / SOUND

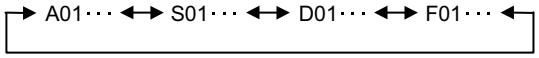
Audio, video and Deflection circuit adjustment.

- Press [SLEEP TIMER] key
  For skipping the adjustment item.



Skip change

- Press [CH+] / [CH-] key
  For scrolling up/down the adjustment item.



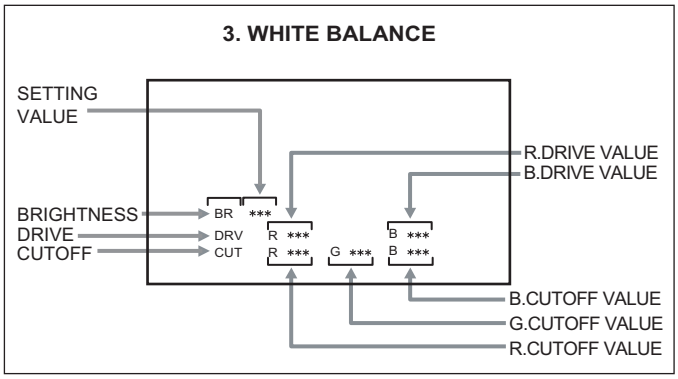
Item No. is up/down

- Press [VOL+] / [VOL-] key
  For scrolling up/down the data values.

- Press [MUTING] key
  For memorizing the data values.

3. WHITE BALANCE

White balance data adjustment.



BRIGHTNESS

[VOL+] key	: BRIGHT is up
[VOL-] key	: BRIGHT is down

DRIVE

[2] key	: DRIVE R is up
[5] key	: DRIVE R is down
[3] key	: DRIVE B is up
[6] key	: DRIVE B is down

CUTOFF

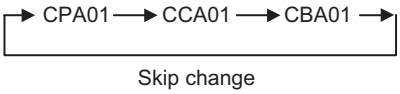
[7] key	: CUTOFF G is up
[TUNE] key	: CUTOFF G is down
[8] key	: CUTOFF R is up
[0] key	: CUTOFF R is down
[9] key	: CUTOFF B is up
[RETURN+] key	: CUTOFF B is down

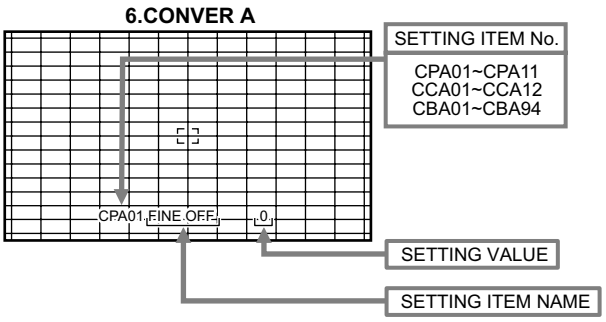
- Press [MUTING] key
  For memorizing the data values.

6. CONVER A

Setting the CONVERGENCE PHASE adjustment.

- Setting for 6.CONVER A is described in the CONVERGENCE adjustment.



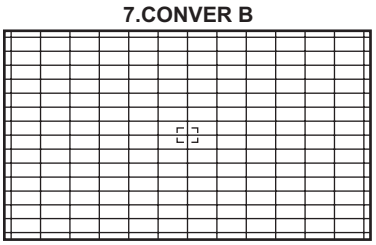


- Press [INPUT] key

7. CONVER B

Setting the CONVERGENCE POINT (fine).

- Setting for 7.CONVER B is described in the CONVERGENCE adjustment.



4.4.8 DESCRIPTION OF TEST MODE

(1) Press [SLEEP TIMER] key to set 30 minutes.
(2) While the indication "SLEEP TIMER 30 MIN." is being displayed, Press [DISPLAY] key and [VIDEO STATUS] key simultaneously to enter the TEST MODE MENU screen as shown in the Fig.1.
(3) Press [5] key to enter the 5.CONVER OFF.
(4) Press [INPUT] key to select the crosshatch pattern.

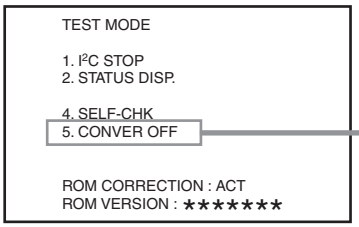


Fig. 1

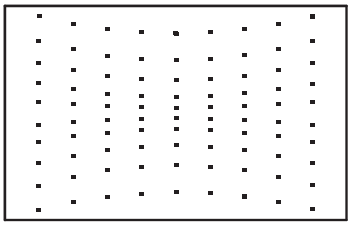


Fig. 2

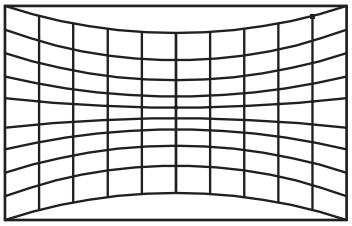


Fig. 3

4.5 INITIAL SETTING VALUE OF SERVICE MENU

(1) Adjustment of the SERVICE MODE is made on the basis of the initial setting values. however, the new setting values which displays on the screen in its optimum condition may differ from the initial setting value.
(2) Do not change the initial setting values of the items not listed in "ADJUSTMENT PROCEDURE".
(3) "---" is impossible to adjust.
(4) When the FULL mode has been established, the setting of other modes will be done automatically. However, if the picture quality has not been optimized, adjust each mode again, respectively.

4.5.1 [1. PICTURE / SOUND]

Item No.	Item name	Variable range	Initial setting value	
			AV-48P776 AV-48P786	AV-56P776 AV-56P786
A01	IN LEVEL	000~015	008	007
A02	LOW SEP	000~063	035	035
A03	HI SEP	000~063	020	020
A04	BBE BASS	-128~+127	+010	+010
A05	BBE TRE	-128~+127	000	000
A06	SURROUND	000 / 001	000	000
A07	BASS OFS	-128~+127	-017	-017
A08	TRE OFS	-128~+127	-009	-009
A09	**(Not display)**	000 / 001	000	000
A10	**(Not display)**	000 / 001	000	000
A11	**(Not display)**	000 / 001	000	000
A12	**(Not display)**	000 / 001	000	000
A13	**(Not display)**	000 / 001	000	000
A14	**(Not display)**	000 / 001	000	000
A15	**(Not display)**	000 / 001	000	000
A16	**(Not display)**	000 / 001	000	000
A17	**(Not display)**	000 / 001	000	000
A18	**(Not display)**	000 / 001	000	000
A19	**(Not display)**	000 / 001	000	000
A20	**(Not display)**	000 / 001	000	000
A21	**(Not display)**	000 / 001	000	000
A22	**(Not display)**	000 / 001	000	000
A23	**(Not display)**	000 / 001	000	000
A24	**(Not display)**	000 / 001	000	000
A25	**(Not display)**	000 / 001	000	000
A26	**(Not display)**	000 / 001	000	000
A27	**(Not display)**	000 / 001	000	000

Item No.	Item name	Variable range	Initial setting value
D01	V. SIZE	000~127	054
D02	EW	000~063	032
D03	H. SIZE	000~063	040
D04	V. SCORE	000~015	006
D05	V. LINE	000~015	008
D06	V. CENT	000~063	026
D07	EW.TRAP	000~063	028
D08	BOT.CORN	000~015	032
D09	TOP.CORN	000~015	032
D10	V. EHT	000~015	000
D11	H. EHT	000~015	000
D12	**(Not display)**	000~007	000 (FIXT VALUE)
D13	**(Not display)**	000~015	000 (FIXT VALUE)
D14	H. CENTER	000~127	100
D15	**(Not display)**	000~255	000 (FIXT VALUE)
D16	OSP OFST	000~127	100
D17	**(Not display)**	000~003	000 (FIXT VALUE)
D18	**(Not display)**	000 / 001	000 (FIXT VALUE)
D19	BOW	000~015	008
D20	V.AGC	000 / 001	001
D21	V.FREC	000~007	003
D22	V.LINE	000~007	004
D23	H.STOP	000 / 001	000
D24	H.DUTY	000 / 001	000
D25	V.JUMP	000 / 001	000
D26	V.PHASE	000 / 001	000
D27	V.RAMP	000~063	000
D28	PARALLEL	000~015	008
D29	V.BTMBLK	000~063	015
D30	V.TOPBLK	000 / 001	000
D31	**(Not display)**	000 / 001	000 (FIXT VALUE)
D32	**(Not display)**	000 / 001	000 (FIXT VALUE)

Item No.	Item name	Variable range	NTSC	480i	480p	720p / 1080i
S01	COLOR	000~255	100	084	077	064
S02	TINT	000~255	064	063	060	071
S03	BRIGHT	000~255	127	127	127	127
S04	CONTRAST	000~127	052	061	061	061

Item No.	Item name	Variable range	NTSC		480i		480p		720p / 1080i	
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S05	0 MTX SW	000~003	000	000	000	000	000	000	000	000
S06	INPUT SW	000~003	001	001	001	001	001	001	001	001
S07	B-Y	000~063	010	020	015	026	010	020	015	026
S08	R-Y	000~015	008	020	013	019	007	000	007	000
S09	G-YMATRI	000~003	001	003	001	003	001	003	001	003

Item No.	Item name	Variable range	NTSC				480i			
			STANDARD		THEATER		STANDARD		THEATER	
			HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW
S10	DRIVE R	000~255	---	064	---	---	---	064	---	---
S11	**(Not display)**	-128 ~ +127	000	---	+006	+014	000	---	+004	+012
S12	DRIVE B	000~255	---	080	---	---	---	080	---	---
S13	**(Not display)**	-128 ~ +127	+020	---	-007	-022	+010	---	+012	+024

Item No.	Item name	Variable range	480p				720p / 1080i			
			STANDARD		THEATER		STANDARD		THEATER	
			HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW
S10	DRIVE R	000~255	---	---	---	---	---	064	---	---
S11	**(Not display)**	-128 ~ +127	000	000	000	+001	000	---	+005	+010
S12	DRIVE B	000~255	---	---	---	---	---	080	---	---
S13	**(Not display)**	-128 ~ +127	+010	000	-005	-021	+012	---	+001	+020

Item No.	Item name	Variable range	NTSC		480i / 480p		720p / 1080i	
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S14	CUTOF R	000~255	185	---	185	---	185	---
S15	(Not display)	-128 ~ +127	---	-004	---	000	---	000
S16	CUTOF G	000~255	185	---	185	---	185	---
S17	(Not display)	-128 ~ +127	---	000	---	000	---	000
S18	CUTOF B	000~255	185	---	185	---	185	---
S19	(Not display)	-128 ~ +127	---	-004	---	-004	---	-010
S20	CUTOF SW R	000~003	001	---	001	---	001	---
S21	CUTOF SW G	000~003	001	---	001	---	001	---
S22	CUTOF SW B	000~003	001	---	001	---	001	---

Item No.	Item name	Variable range	NTSC		480i		OTHERS SIGNAL	
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S23	DC CTL	000~255	255	255	255	255	255	255

Item No.	Item name	Variable range	Initial setting value
S24	RGBLIMT	000~015	000

Item No.	Item name	Variable range	NTSC	480i	OTHERS SIGNAL
S25	BL STRT	000~015	015	015	015
S26	BL GAIN	000~015	008	008	008
S27	YGM LVL	000~015	000	000	000
S28	YGM GAIN	000~015	015	015	015
S29	YWD STRT	000~015	002	000	000
S30	YWD GAIN	000~015	005	002	003

Item No.	Item name	Variable range	NTSC		480i		480p		720p / 1080i	
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S31	COL OFST	-128 ~ +127	---	000	---	-004	---	-002	---	-002
S32	TNT OFST	-128 ~ +127	---	+004	---	+001	---	+002	---	-006
S33	BRT OFST	-128 ~ +127	---	-004	---	000	---	000	---	-003
S34	CNT OFST	-128 ~ +127	---	-005	---	-007	---	-007	---	-010

Item No.	Item name	Variable range	ATSC					
			480i		480p		720p / 1080i	
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S31	COL OFST	-128 ~ +127	-003	-004	+006	-002	000	000
S32	TNT OFST	-128 ~ +127	+010	+008	+004	+002	000	000
S33	BRT OFST	-128 ~ +127	000	000	+005	000	-002	000
S34	CNT OFST	-128 ~ +127	000	-005	000	-015	-011	000

Item No.	Item name	Variable range	STANDARD	THEATER
S35	DCTRN SW	000 / 001	000	000
S36	BL OFF	000 / 001	000	001
S37	YGM OFF	000 / 001	000	001
S38	ABL OFF	000 / 001	000	000
S39	ACL OFF	000 / 001	000	000

Item No.	Item name	Variable range	Initial setting value
S40	BLCNT LK	000 / 001	000
S41	YGCNT LK	000 / 001	000
S42	DCTRN PL	000 / 001	000
S43	ABL GAIN	000~015	015
S44	ABL STRT	000~015	015
S45	ACL GAIN	000~015	015
S46	ACL STRT	000~015	000

Item No.	Item name	Variable range	ASPECT	VIDEO STATUS	OTHERS
			REGULAR	THEATER	
S47	ACL EERG	000~255	255	255	255

Item No.	Item name	Variable range	Initial setting value
S48	CHRM GM	000~255	255

Item No.	Item name	Variable range	Initial setting value
S49	OSDR DC	000~127	064
S50	OSDB DC	000~127	064
S51	BLK OFF	000 / 001	000

Item No.	Item name	Variable range	STANDARD	THEATER
S52	CNT UNDR	-128~+127	-030	-021
S53	CNT UPPR	-128~+127	+013	+020
S54	BRT UNDR	-128~+127	-020	-020

Item No.	Item name	Variable range	Setting value
S55	EETH BRT	-128~+127	000
S56	EETH CNT	-128~+127	000
S57	BREE CNT	000~031	000
S58	DKEE CNT	000~031	000
S59	DREE BRT	000~127	000
S60	BREE ACL	000~255	000
S61	DKEE ACL	000~255	000
S62	VMOFF DE	-128~+127	+002
S63	VM LOW	-128~+127	-025
S64	VM MID	-128~+127	-015
S65	VM HIGH	-128~+127	+010
S66	VM L-	-128~+127	-004
S67	VM LH	-128~+127	-002
S68	VM MH	-128~+127	000
S69	VM M+	-128~+127	+001
S70	BLK R	000 / 001	000
S71	BLK G	000 / 001	000
S72	BLK B	000 / 001	000
S73	**(Not display)**	000 / 001	000
S74	**(Not display)**	000 / 001	000
S75	**(Not display)**	000 / 001	000
S76	**(Not display)**	000 / 001	000
S77	**(Not display)**	000 / 001	000
S78	**(Not display)**	000 / 001	000
S79	**(Not display)**	000 / 001	000
S80	**(Not display)**	000 / 001	000
S81	**(Not display)**	000 / 001	000
S82	**(Not display)**	000 / 001	000
S83	**(Not display)**	000 / 001	000
S84	**(Not display)**	000 / 001	000
S85	**(Not display)**	000 / 001	000
S86	**(Not display)**	000 / 001	000
S87	**(Not display)**	000 / 001	000
S88	**(Not display)**	000 / 001	000

Item No.	Item name	Variable range	Setting value
S89	**(Not display)**	000 / 001	000
S90	**(Not display)**	000 / 001	000
S91	**(Not display)**	000 / 001	000
S92	**(Not display)**	000 / 001	000
S93	**(Not display)**	000 / 001	000
S94	**(Not display)**	000 / 001	000
S95	**(Not display)**	000 / 001	000
S96	**(Not display)**	000 / 001	000
S97	**(Not display)**	000 / 001	000
S98	**(Not display)**	000 / 001	000
S99	**(Not display)**	000 / 001	000

Item No.	Item name	Variable range	Initial setting value	
			AV-48P776 AV-48P786	AV-56P776 AV-56P786
F01	E 1	000~255	009	011
F02	E 2	000~255	001	001
F03	**(Not display)**	000~255	127	127
F04	**(Not display)**	000~255	118	126
F05	**(Not display)**	000 / 001	001	001
F06	**(Not display)**	000~255	048	112
F07	**(Not display)**	000~255	015	015
F08	**(Not display)**	000~255	000	000

Item No.	Item name	Variable range	ASPECT	
			CINEMA	OTHERS
F09	**(Not display)**	000~015	001	000
F10	**(Not display)**	000~015	000	000
F11	**(Not display)**	000~015	000	000
F12	**(Not display)**	000~015	000	000
F13	**(Not display)**	000~015	000	000
F14	**(Not display)**	000~015	000	000
F15	**(Not display)**	000~015	000	000

Item No.	Item name	Variable range	Setting value
F16	**(Not display)**	000~127	070

Item No.	Item name	Variable range	Setting value
F17	**(Not display)**	000 / 001	000
F18	FIX DATA	000 / 001	000
F19	**(Not display)**	000 / 001	000
F20	**(Not display)**	000~255	000
F21	**(Not display)**	000~255	000
F22	**(Not display)**	000 / 001	000
F23	**(Not display)**	000~255	000
F24	**(Not display)**	000~255	000
F25	**(Not display)**	000~255	000
F26	**(Not display)**	000~255	000
F27	**(Not display)**	000~255	000
F28	**(Not display)**	000 /001	000
F29	**(Not display)**	000 / 001	000
F30	**(Not display)**	000 / 001	000
F31	**(Not display)**	000 / 001	000
F32	**(Not display)**	000 / 001	000
F33	**(Not display)**	000 / 001	000
F34	**(Not display)**	000 / 001	000
F35	**(Not display)**	000 / 001	000
F36	**(Not display)**	000 / 001	000
F37	**(Not display)**	000 / 001	000
F38	**(Not display)**	000 / 001	000
F39	**(Not display)**	000 / 001	000
F40	**(Not display)**	000 / 001	000

Item No.	Item name	Variable range	NTSC	480i	480p	720p	1080i
F41	**(Not display)**	000~003	000	002	002	002	002
F42	**(Not display)**	000 / 001	000	000	000	000	000
F43	**(Not display)**	000~063	039	039	037	025	024

Item No.	Item name	Variable range	Initial setting value
F44	**(Not display)**	000 / 001	000
F45	**(Not display)**	000 / 001	000
F46	**(Not display)**	000 / 001	000
F47	**(Not display)**	000 / 001	000
F48	**(Not display)**	000 / 001	000
F49	**(Not display)**	000 / 001	001
F50	**(Not display)**	000 / 001	001
F51	**(Not display)**	000~015	011
F52	**(Not display)**	000~063	055
F53	**(Not display)**	-128~+127	000
F54	**(Not display)**	000~255	015
F55	**(Not display)**	000 / 001	000
F56	**(Not display)**	000~255	188
F57	**(Not display)**	000~255	134
F58	**(Not display)**	000~255	077

Item No.	Item name	Variable range	Initial setting value
F59	**(Not display)**	000 / 001	001
F60	**(Not display)**	000 / 001	000
F61	**(Not display)**	000 / 001	001
F62	**(Not display)**	000 / 001	000
F63	**(Not display)**	-128~+127	+015
F64	**(Not display)**	-128~+127	000
F65	**(Not display)**	-128~+127	-018
F66	**(Not display)**	000~007	006
F67	**(Not display)**	000~003	000
F68	**(Not display)**	000~255	126
F69	**(Not display)**	000 / 001	001
F70	**(Not display)**	000 / 001	000

4.5.2 [2.YC SEP] (*All the values are fixed values)

NOTE :

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Setting value
YCM001	**(Not display)**	000 / 001	000
YCM002	**(Not display)**	000 / 001	000
YCM003	**(Not display)**	000 / 001	001
YCM004	**(Not display)**	000 / 001	001
YCM005	**(Not display)**	000 / 001	000
YCM006	**(Not display)**	000~127	037
YCM007	**(Not display)**	000 / 001	000
YCM008	**(Not display)**	000~003	001
YCM009	**(Not display)**	000~003	000
YCM010	**(Not display)**	000~003	000
YCM011	**(Not display)**	000~007	000
YCM012	**(Not display)**	000~007	000
YCM013	**(Not display)**	000~015	008
YCM014	**(Not display)**	000~255	128
YCM015	**(Not display)**	000~255	182
YCM016	**(Not display)**	000~255	128
YCM017	**(Not display)**	000~255	064
YCM018	**(Not display)**	000~127	064
YCM019	**(Not display)**	000 / 001	000
YCM020	**(Not display)**	000~255	130
YCM021	**(Not display)**	000 / 001	000
YCM022	**(Not display)**	000~255	064
YCM023	**(Not display)**	000~063	002
YCM024	**(Not display)**	000 / 001	000
YCM025	**(Not display)**	000 / 001	000
YCM026	**(Not display)**	000 / 001	000
YCM027	**(Not display)**	000 / 001	001
YCM028	**(Not display)**	000 / 001	000
YCM029	**(Not display)**	000 / 001	000
YCM030	**(Not display)**	000 / 001	001
YCM031	**(Not display)**	000~255	089
YCM032	**(Not display)**	000~007	003
YCM033	**(Not display)**	000~255	106
YCM034	**(Not display)**	000~007	005
YCM035	**(Not display)**	000 / 001	000
YCM036	**(Not display)**	000~255	130
YCM037	**(Not display)**	000 / 001	000
YCM038	**(Not display)**	000~255	008
YCM039	**(Not display)**	000 / 001	000
YCM040	**(Not display)**	000~003	094
YCM041	**(Not display)**	000 / 001	000
YCM042	**(Not display)**	000 / 001	000
YCM043	**(Not display)**	000~003	000
YCM044	**(Not display)**	000~127	009
YCM045	**(Not display)**	000 / 001	000
YCM046	**(Not display)**	000~003	000
YCM047	**(Not display)**	000 / 001	000
YCM048	**(Not display)**	000 / 001	000
YCM049	**(Not display)**	000~003	001
YCM050	**(Not display)**	000~015	012
YCM051	**(Not display)**	000~015	012
YCM052	**(Not display)**	000 / 001	000
YCM053	**(Not display)**	000 / 001	000
YCM054	**(Not display)**	000 / 001	001
YCM055	**(Not display)**	000 / 001	001
YCM056	**(Not display)**	000~003	000
YCM057	**(Not display)**	000 / 001	000
YCM058	**(Not display)**	000~003	001
YCM059	**(Not display)**	000 / 001	001
YCM060	**(Not display)**	000~003	000
YCM061	**(Not display)**	000~003	000
YCM062	**(Not display)**	000~003	002
YCM063	**(Not display)**	000~003	002
YCM064	**(Not display)**	000~003	000
YCM065	**(Not display)**	000~003	000
YCM066	**(Not display)**	000 / 001	000
YCM067	**(Not display)**	000~007	004
YCM068	**(Not display)**	000 / 001	001
YCM069	**(Not display)**	000 / 001	000
YCM070	**(Not display)**	000~007	004
YCM071	**(Not display)**	000~031	016
YCM072	**(Not display)**	000~003	003
YCM073	**(Not display)**	000~003	000
YCM074	**(Not display)**	000~007	000
YCM075	**(Not display)**	000 / 001	001
YCM076	**(Not display)**	000 / 001	000
YCM077	**(Not display)**	000 / 001	000
YCM078	**(Not display)**	000~003	000
YCM079	**(Not display)**	000~015	002
YCM080	**(Not display)**	000~015	009
YCM081	**(Not display)**	000~015	003
YCM082	**(Not display)**	000~015	006
YCM083	**(Not display)**	000~015	010

Item No.	Item name	Variable range	Setting value
YCM084	**(Not display)**	000~015	006
YCM085	**(Not display)**	000 / 001	000
YCM086	**(Not display)**	000~003	001
YCM087	**(Not display)**	000~003	001
YCM088	**(Not display)**	000~015	008
YCM089	**(Not display)**	000~003	003
YCM090	**(Not display)**	000 / 001	000
YCM091	**(Not display)**	000~225	128
YCM092	**(Not display)**	000~225	128
YCM093	**(Not display)**	000~225	128
YCM094	**(Not display)**	000~015	000
YCM095	**(Not display)**	000 / 001	000
YCM096	**(Not display)**	000~015	000
YCM097	**(Not display)**	000 / 001	001
YCM098	**(Not display)**	000~007	000
YCM099	**(Not display)**	000~015	000
YCM100	**(Not display)**	000 / 001	000
YCM101	**(Not display)**	000~015	000
YCM102	**(Not display)**	000~015	000
YCM103	**(Not display)**	000~007	002
YCM104	**(Not display)**	000~015	003
YCM105	**(Not display)**	000~007	002
YCM106	**(Not display)**	000~015	003
YCM107	**(Not display)**	000~255	128
YCM108	**(Not display)**	000~007	002
YCM109	**(Not display)**	000~015	000
YCM110	**(Not display)**	000~255	128
YCM111	**(Not display)**	000~003	000
YCM112	**(Not display)**	000~063	032
YCM113	**(Not display)**	000~255	123
YCM114	**(Not display)**	000~255	128
YCM115	**(Not display)**	000~255	128
YCM116	**(Not display)**	000~063	048
YCM117	**(Not display)**	000~015	005
YCM118	**(Not display)**	000~015	008
YCM119	**(Not display)**	000~063	016
YCM120	**(Not display)**	000~015	000
YCM121	**(Not display)**	000~255	000
YCM122	**(Not display)**	000~015	000
YCM123	**(Not display)**	000~015	000
YCM124	**(Not display)**	000~255	255
YCM125	**(Not display)**	000 / 001	000
YCM126	**(Not display)**	000 / 001	000
YCM127	**(Not display)**	000~015	000
YCM128	**(Not display)**	000~255	255

Item No.	Item name	Variable range	Setting value
YCM129	**(Not display)**	000 / 001	001
YCM130	**(Not display)**	000~003	001
YCM131	**(Not display)**	000~003	001

4.5.3 [3.WHITE BALANCE]

NOTE :

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Setting value
BR	**(Not display)**	000~255	159
DRV R	**(Not display)**	000~255	052
DRV B	**(Not display)**	000~255	095
CUT R	**(Not display)**	000~255	255
CUT G	**(Not display)**	000~255	255
CUT B	**(Not display)**	000~255	255

4.5.4 [6.CONVER A]

Item No.	Item name	Variable range	Setting value
CPA01	FINE OFF	0 / 1	0
CPA02	TPOH	0~4095	114
CPA03	TPOV LINE	0~255	017
CPA04	TPOV OFST	0~7	0
CPA05	FINEP	0~4095	1245
CPA06	STARTLIN A	0~127	56
CPA07	STARTLIN B	-7~7	-1
CPA08	CAU H2	0~15	0
CPA09	COARS OFST	-511~511	-50
CPA10	V1OFSTA	-511~511	7
CPA11	V1OFSTB	-31~31	0

4.5.5 [8.IP] (*All the values are fixed values)

NOTE :

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Setting value
IPA001	**(Not display)**	000~0FF	0C7
IPA002	**(Not display)**	000~0FF	000
IPA003	**(Not display)**	000~0FF	000
IPA004	**(Not display)**	000~0FF	08A
IPA005	**(Not display)**	000~01F	001

Item No.	Item name	Variable range	Setting value
IPA006	**(Not display)**	000~0FF	037
IPA007	**(Not display)**	000~00F	000
IPA008	**(Not display)**	000~0FF	000
IPA009	**(Not display)**	000~00F	000
IPA010	**(Not display)**	000~0FF	080
IPA011	**(Not display)**	000~00F	002
IPA012	**(Not display)**	000~0FF	02B
IPA013	**(Not display)**	000~00F	002
IPA014	**(Not display)**	000~0FF	000
IPA015	**(Not display)**	000~00F	002
IPA016	**(Not display)**	000~0FF	080
IPA017	**(Not display)**	000~00F	001
IPA018	**(Not display)**	000~0FF	000
IPA019	**(Not display)**	000~00F	001
IPA020	**(Not display)**	000~0FF	080
IPA021	**(Not display)**	000~00F	000
IPA022	**(Not display)**	000~0FF	016
IPA023	**(Not display)**	000~00F	000
IPA024	**(Not display)**	000 / 001	017
IPA025	**(Not display)**	000 / 001	000
IPA026	**(Not display)**	000~03F	019
IPA027	**(Not display)**	000~003	000
IPA028	**(Not display)**	000~03F	01B
IPA029	**(Not display)**	000~03F	000
IPA030	**(Not display)**	000~00F	01D
IPA031	**(Not display)**	000~007	000
IPA032	**(Not display)**	000~03F	000
IPA033	**(Not display)**	000 / 001	001
IPA034	**(Not display)**	000~03F	039
IPA035	**(Not display)**	000 / 001	001
IPA036	**(Not display)**	000~03F	00E
IPA037	**(Not display)**	000~03F	02E
IPA038	**(Not display)**	000~03F	01E
IPA039	**(Not display)**	000~003	002
IPA040	**(Not display)**	000~003	003
IPA041	**(Not display)**	000~00F	008
IPA042	**(Not display)**	000~03F	020

4.5.6 [9.DSD] (All fixed)

NOTE :

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Setting value
DSA001	**(Not display)**	000~03F	022
DSA002	**(Not display)**	000~03F	017
DSA003	**(Not display)**	000~03F	030
DSA004	**(Not display)**	000~003	000
DSA005	**(Not display)**	000 / 001	000
DSA006	**(Not display)**	000~003	001
DSA007	**(Not display)**	000~03F	010
DSA008	**(Not display)**	000 / 001	001
DSA009	**(Not display)**	000~03F	010
DSA010	**(Not display)**	000 / 001	001
DSA011	**(Not display)**	000 / 001	001
DSA012	**(Not display)**	000~03F	010
DSA013	**(Not display)**	000~03F	025
DSA014	**(Not display)**	000~03F	020
DSA015	**(Not display)**	000~003	030
DSA016	**(Not display)**	000 / 001	001
DSA017	**(Not display)**	000~003	001
DSA018	**(Not display)**	000~03F	000
DSA019	**(Not display)**	000 / 001	001
DSA020	**(Not display)**	000~03F	01D
DSA021	**(Not display)**	000 / 001	001
DSA022	**(Not display)**	000~03F	00C
DSA023	**(Not display)**	000 / 001	001
DSA024	**(Not display)**	000~03F	007
DSA025	**(Not display)**	000/001	001
DSA026	**(Not display)**	000~03F	02F
DSA027	**(Not display)**	000 / 001	001
DSA028	**(Not display)**	000~03F	009
DSA029	**(Not display)**	000 / 001	001
DSA030	**(Not display)**	000 / 001	001
DSA031	**(Not display)**	000~03F	023
DSA032	**(Not display)**	000 / 001	000
DSA033	**(Not display)**	000~003	000
DSA034	**(Not display)**	000~03F	008
DSA035	**(Not display)**	000 / 001	001
DSA036	**(Not display)**	000 / 001	001
DSA037	**(Not display)**	000~03F	023
DSA038	**(Not display)**	000 / 001	000
DSA039	**(Not display)**	000~003	000

Item No.	Item name	Variable range	Setting value
DSA040	**(Not display)**	000~03F	008
DSA041	**(Not display)**	000 / 001	001
DSA042	**(Not display)**	000 / 001	001
DSA043	**(Not display)**	000 / 001	001
DSA044	**(Not display)**	000~03F	013
DSA045	**(Not display)**	000 / 001	000
DSA046	**(Not display)**	000~003	002
DSA047	**(Not display)**	000~03F	005
DSA048	**(Not display)**	000 / 001	001
DSA049	**(Not display)**	000~03F	000
DSA050	**(Not display)**	000 / 001	001
DSA051	**(Not display)**	000~03F	00B
DSA052	**(Not display)**	000 / 001	001
DSA053	**(Not display)**	000 / 001	001

Item No.	Item name	Variable range	Setting value
DSB001	**(Not display)**	**(Not display)**	---
DSB002	**(Not display)**	**(Not display)**	---
DSB003	**(Not display)**	**(Not display)**	---
DSB004	**(Not display)**	**(Not display)**	---
DSB005	**(Not display)**	**(Not display)**	---
DSB006	**(Not display)**	**(Not display)**	---
DSB007	**(Not display)**	**(Not display)**	---
DSB008	**(Not display)**	**(Not display)**	---
DSB009	**(Not display)**	**(Not display)**	---
DSB010	**(Not display)**	**(Not display)**	---
DSB011	**(Not display)**	**(Not display)**	---
DSB012	**(Not display)**	**(Not display)**	---
DSB013	**(Not display)**	**(Not display)**	---
DSB014	**(Not display)**	**(Not display)**	---
DSB015	**(Not display)**	**(Not display)**	---
DSB016	**(Not display)**	**(Not display)**	---
DSB017	**(Not display)**	**(Not display)**	---
DSB018	**(Not display)**	**(Not display)**	---
DSB019	**(Not display)**	**(Not display)**	---
DSB020	**(Not display)**	**(Not display)**	---
DSB021	**(Not display)**	**(Not display)**	---
DSB022	**(Not display)**	**(Not display)**	---
DSB023	**(Not display)**	**(Not display)**	---
DSB024	**(Not display)**	**(Not display)**	---
DSB025	**(Not display)**	**(Not display)**	---
DSB026	**(Not display)**	**(Not display)**	---
DSB027	**(Not display)**	**(Not display)**	---
DSB028	**(Not display)**	**(Not display)**	---
DSB029	**(Not display)**	**(Not display)**	---

Item No.	Item name	Variable range	Setting value
DSB030	**(Not display)**	**(Not display)**	---
DSB031	**(Not display)**	**(Not display)**	---
DSB032	**(Not display)**	**(Not display)**	---
DSB033	**(Not display)**	**(Not display)**	---
DSB034	**(Not display)**	**(Not display)**	---
DSB035	**(Not display)**	**(Not display)**	---
DSB036	**(Not display)**	**(Not display)**	---
DSB037	**(Not display)**	**(Not display)**	---
DSB038	**(Not display)**	**(Not display)**	---
DSB039	**(Not display)**	**(Not display)**	---
DSB040	**(Not display)**	**(Not display)**	---
DSB041	**(Not display)**	**(Not display)**	---
DSB042	**(Not display)**	**(Not display)**	---
DSB043	**(Not display)**	**(Not display)**	---
DSB044	**(Not display)**	**(Not display)**	---
DSB045	**(Not display)**	**(Not display)**	---
DSB046	**(Not display)**	**(Not display)**	---
DSB047	**(Not display)**	**(Not display)**	---
DSB048	**(Not display)**	**(Not display)**	---
DSB049	**(Not display)**	**(Not display)**	---
DSB050	**(Not display)**	**(Not display)**	---
DSB051	**(Not display)**	**(Not display)**	---
DSB052	**(Not display)**	**(Not display)**	---
DSB053	**(Not display)**	**(Not display)**	---

Item No.	Item name	Variable range	Setting value
DSC001	**(Not display)**	000~00F	008
DSC002	**(Not display)**	000~0FF	098
DSC003	**(Not display)**	000~03F	01C
DSC004	**(Not display)**	000~003	000
DSC005	**(Not display)**	000~0FF	000
DSC006	**(Not display)**	000 / 001	000
DSC007	**(Not display)**	000 / 001	000
DSC008	**(Not display)**	000 / 001	000
DSC009	**(Not display)**	000~00F	000
DSC010	**(Not display)**	000~0FF	000
DSC011	**(Not display)**	000~00F	00F
DSC012	**(Not display)**	000~0FF	0FF
DSC013	**(Not display)**	000~00F	001
DSC014	**(Not display)**	000~0FF	0E8
DSC015	**(Not display)**	000~00F	004
DSC016	**(Not display)**	000~0FF	0F0
DSC017	**(Not display)**	000~00F	000
DSC018	**(Not display)**	000~0FF	000
DSC019	**(Not display)**	000~00F	000

Item No.	Item name	Variable range	Setting value
DSC020	**(Not display)**	000~0FF	000
DSC021	**(Not display)**	000~00F	000
DSC022	**(Not display)**	000~0FF	000
DSC023	**(Not display)**	000~00F	000
DSC024	**(Not display)**	000~0FF	000
DSC025	**(Not display)**	000~00F	000
DSC026	**(Not display)**	000~0FF	080
DSC027	**(Not display)**	000~00F	000
DSC028	**(Not display)**	000~0FF	040
DSC029	**(Not display)**	000~00F	005
DSC030	**(Not display)**	000~0FF	040
DSC031	**(Not display)**	000~00F	000
DSC032	**(Not display)**	000~0FF	0C0
DSC033	**(Not display)**	000~00F	000
DSC034	**(Not display)**	000~0FF	080
DSC035	**(Not display)**	000~00F	000
DSC036	**(Not display)**	000~0FF	040
DSC037	**(Not display)**	000~00F	005
DSC038	**(Not display)**	000~0FF	040
DSC039	**(Not display)**	000~00F	000
DSC040	**(Not display)**	000~0FF	0C0
DSC041	**(Not display)**	000~00F	004
DSC042	**(Not display)**	000~0FF	075
DSC043	**(Not display)**	000 / 001	000
DSC044	**(Not display)**	000 / 001	000

Item No.	Item name	Variable range	Setting value
DSD001	**(Not display)**	000~255	001
DSD002	**(Not display)**	000~255	002
DSD003	**(Not display)**	000~255	001
DSD004	**(Not display)**	000~255	002
DSD005	**(Not display)**	000~255	001
DSD006	**(Not display)**	000~255	002
DSD007	**(Not display)**	000~255	001
DSD008	**(Not display)**	000~255	002
DSD009	**(Not display)**	-128~127	+001
DSD010	**(Not display)**	-128~127	+001
DSD011	**(Not display)**	-128~127	+002
DSD012	**(Not display)**	-128~127	+002
DSD013	**(Not display)**	-128~127	-001
DSD014	**(Not display)**	-128~127	+001
DSD015	**(Not display)**	000~0FF	05C
DSD016	**(Not display)**	000~0FF	08B
DSD017	**(Not display)**	000~0FF	0E2

4.5.7 [0.HDMI] (*All the values are fixed values)

NOTE :

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Setting value
HDM001	**(Not display)**	000 / 001	000
HDM002	**(Not display)**	000 / 001	000
HDM003	**(Not display)**	000 / 001	000
HDM004	**(Not display)**	000 / 001	000
HDM005	**(Not display)**	000 / 001	000
HDM006	**(Not display)**	000~003	002
HDM007	**(Not display)**	000 / 001	000
HDM008	**(Not display)**	000 / 001	000
HDM009	**(Not display)**	000 / 001	000
HDM010	**(Not display)**	000 / 001	000
HDM011	**(Not display)**	000 / 001	000
HDM012	**(Not display)**	000 / 001	000
HDM013	**(Not display)**	000 / 001	001
HDM014	**(Not display)**	000 / 001	000
HDM015	**(Not display)**	000 / 001	000
HDM016	**(Not display)**	000~255	032
HDM017	**(Not display)**	000~255	032
HDM018	**(Not display)**	000~255	032
HDM019	**(Not display)**	000 / 001	001
HDM020	**(Not display)**	000~255	000
HDM021	**(Not display)**	000~007	002
HDM022	**(Not display)**	000~063	006
HDM023	**(Not display)**	000~063	006
HDM024	**(Not display)**	000~063	006
HDM025	**(Not display)**	000 / 001	000
HDM026	**(Not display)**	000~003	000
HDM027	**(Not display)**	000~255	180
HDM028	**(Not display)**	000~003	000
HDM029	**(Not display)**	000~255	192
HDM030	**(Not display)**	000~003	000
HDM031	**(Not display)**	000~255	212
HDM032	**(Not display)**	000~003	000
HDM033	**(Not display)**	000~255	191
HDM034	**(Not display)**	000~003	001
HDM035	**(Not display)**	000~255	032
HDM036	**(Not display)**	000~255	032
HDM037	**(Not display)**	000~255	000
HDM038	**(Not display)**	000~255	012
HDM039	**(Not display)**	000 / 001	001

Item No.	Item name	Variable range	Setting value
HDM040	**(Not display)**	000 / 001	001
HDM041	**(Not display)**	000 / 001	000
HDM042	**(Not display)**	000~255	001
HDM043	**(Not display)**	000~007	003
HDM044	**(Not display)**	000~003	000
HDM045	**(Not display)**	000~003	000
HDM046	**(Not display)**	000 / 001	001
HDM047	**(Not display)**	000~015	007
HDM048	**(Not display)**	000~255	000
HDM049	**(Not display)**	000~255	000
HDM050	**(Not display)**	000~015	000
HDM051	**(Not display)**	000 / 001	000
HDM052	**(Not display)**	000 / 001	000
HDM053	**(Not display)**	000 / 001	000
HDM054	**(Not display)**	000 / 001	000
HDM055	**(Not display)**	000 / 001	000
HDM056	**(Not display)**	000 / 001	000
HDM057	**(Not display)**	000 / 001	001
HDM058	**(Not display)**	000 / 001	000
HDM059	**(Not display)**	000 / 001	001
HDM060	**(Not display)**	000 / 001	000
HDM061	**(Not display)**	000 / 001	001
HDM062	**(Not display)**	000 / 001	001
HDM063	**(Not display)**	000 / 001	000
HDM064	**(Not display)**	000 / 001	000
HDM065	**(Not display)**	000 / 001	001
HDM066	**(Not display)**	000 / 001	000
HDM067	**(Not display)**	000 / 001	001
HDM068	**(Not display)**	000~031	004
HDM069	**(Not display)**	000 / 001	000
HDM070	**(Not display)**	000 / 001	001
HDM071	**(Not display)**	000 / 001	000
HDM072	**(Not display)**	000 / 001	000
HDM073	**(Not display)**	000 / 001	000
HDM074	**(Not display)**	000~031	008
HDM075	**(Not display)**	000 / 001	001
HDM076	**(Not display)**	000 / 001	001
HDM077	**(Not display)**	000 / 001	001
HDM078	**(Not display)**	000 / 001	001
HDM079	**(Not display)**	000 / 001	001
HDM080	**(Not display)**	000 / 001	001

Item No.	Item name	Variable range	Setting value
RHD001	**(Not display)**	**(Not display)**	001
RHD002	**(Not display)**	**(Not display)**	000

Item No.	Item name	Variable range	Setting value
RHD003	**(Not display)**	**(Not display)**	042
RHD004	**(Not display)**	**(Not display)**	099
RHD005	**(Not display)**	**(Not display)**	000
RHD006	**(Not display)**	**(Not display)**	000
RHD007	**(Not display)**	**(Not display)**	0D7
RHD008	**(Not display)**	**(Not display)**	0B9
RHD009	**(Not display)**	**(Not display)**	02D
RHD010	**(Not display)**	**(Not display)**	0D3
RHD011	**(Not display)**	**(Not display)**	0FF
RHD012	**(Not display)**	**(Not display)**	076
RHD013	**(Not display)**	**(Not display)**	0B7
RHD014	**(Not display)**	**(Not display)**	052
RHD015	**(Not display)**	**(Not display)**	04A
RHD016	**(Not display)**	**(Not display)**	066
RHD017	**(Not display)**	**(Not display)**	094
RHD018	**(Not display)**	**(Not display)**	09B
RHD019	**(Not display)**	**(Not display)**	06D
RHD020	**(Not display)**	**(Not display)**	017
RHD021	**(Not display)**	**(Not display)**	017
RHD022	**(Not display)**	**(Not display)**	0D3
RHD023	**(Not display)**	**(Not display)**	063
RHD024	**(Not display)**	**(Not display)**	013
RHD025	**(Not display)**	**(Not display)**	08F
RHD026	**(Not display)**	**(Not display)**	058
RHD027	**(Not display)**	**(Not display)**	000
RHD028	**(Not display)**	**(Not display)**	000
RHD029	**(Not display)**	**(Not display)**	000
RHD030	**(Not display)**	**(Not display)**	000
RHD031	**(Not display)**	**(Not display)**	000
RHD032	**(Not display)**	**(Not display)**	000
RHD033	**(Not display)**	**(Not display)**	0E0
RHD034	**(Not display)**	**(Not display)**	001
RHD035	**(Not display)**	**(Not display)**	023
RHD036	**(Not display)**	**(Not display)**	00A
RHD037	**(Not display)**	**(Not display)**	000
RHD038	**(Not display)**	**(Not display)**	000
RHD039	**(Not display)**	**(Not display)**	000
RHD040	**(Not display)**	**(Not display)**	000
RHD041	**(Not display)**	**(Not display)**	000
RHD042	**(Not display)**	**(Not display)**	000
RHD043	**(Not display)**	**(Not display)**	000
RHD044	**(Not display)**	**(Not display)**	000
RHD045	**(Not display)**	**(Not display)**	000
RHD046	**(Not display)**	**(Not display)**	000
RHD047	**(Not display)**	**(Not display)**	00C

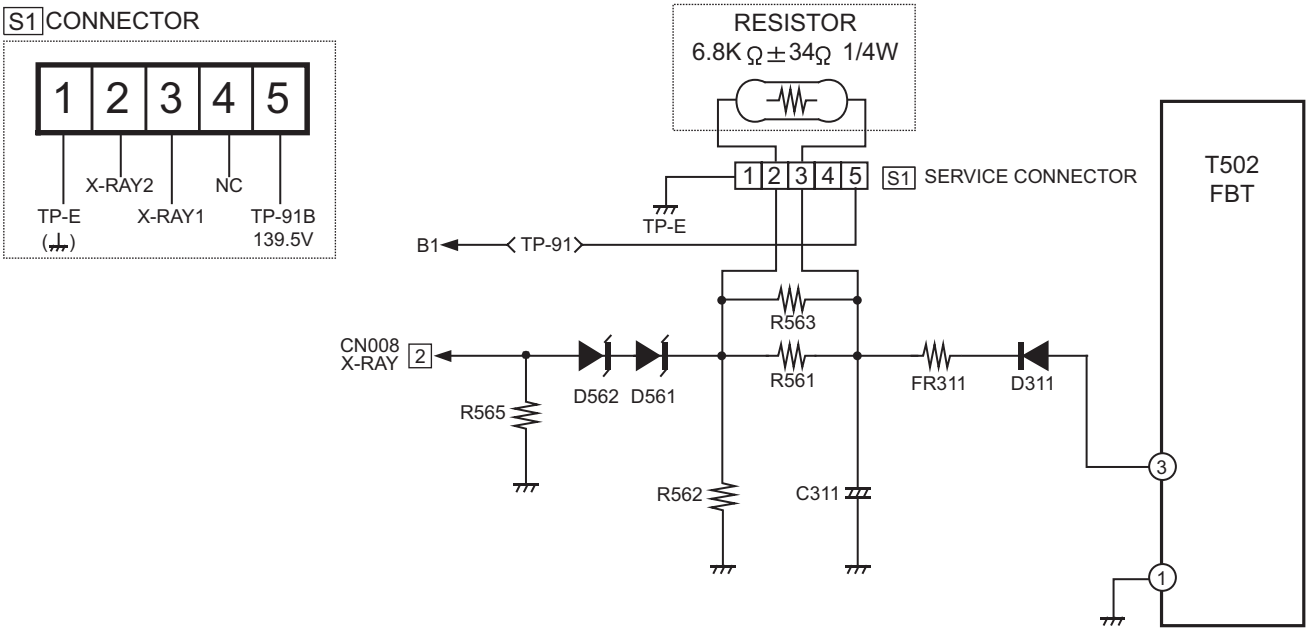
Item No.	Item name	Variable range	Setting value
RHD048	**(Not display)**	**(Not display)**	000
RHD049	**(Not display)**	**(Not display)**	068
RHD050	**(Not display)**	**(Not display)**	03C
RHD051	**(Not display)**	**(Not display)**	001
RHD052	**(Not display)**	**(Not display)**	03F
RHD053	**(Not display)**	**(Not display)**	036
RHD054	**(Not display)**	**(Not display)**	000
RHD055	**(Not display)**	**(Not display)**	000
RHD056	**(Not display)**	**(Not display)**	000
RHD057	**(Not display)**	**(Not display)**	000
RHD058	**(Not display)**	**(Not display)**	000
RHD059	**(Not display)**	**(Not display)**	00B
RHD060	**(Not display)**	**(Not display)**	000
RHD061	**(Not display)**	**(Not display)**	000
RHD062	**(Not display)**	**(Not display)**	000
RHD063	**(Not display)**	**(Not display)**	000
RHD064	**(Not display)**	**(Not display)**	000
RHD065	**(Not display)**	**(Not display)**	000
RHD066	**(Not display)**	**(Not display)**	000
RHD067	**(Not display)**	**(Not display)**	000
RHD068	**(Not display)**	**(Not display)**	000
RHD069	**(Not display)**	**(Not display)**	000
RHD070	**(Not display)**	**(Not display)**	000
RHD071	**(Not display)**	**(Not display)**	000
RHD072	**(Not display)**	**(Not display)**	000
RHD073	**(Not display)**	**(Not display)**	000
RHD074	**(Not display)**	**(Not display)**	000
RHD075	**(Not display)**	**(Not display)**	000
RHD076	**(Not display)**	**(Not display)**	000
RHD077	**(Not display)**	**(Not display)**	000
RHD078	**(Not display)**	**(Not display)**	000
RHD079	**(Not display)**	**(Not display)**	000
RHD080	**(Not display)**	**(Not display)**	000
RHD081	**(Not display)**	**(Not display)**	000
RHD082	**(Not display)**	**(Not display)**	000
RHD083	**(Not display)**	**(Not display)**	000
RHD084	**(Not display)**	**(Not display)**	000
RHD085	**(Not display)**	**(Not display)**	000
RHD086	**(Not display)**	**(Not display)**	000
RHD087	**(Not display)**	**(Not display)**	000
RHD088	**(Not display)**	**(Not display)**	000
RHD089	**(Not display)**	**(Not display)**	000
RHD090	**(Not display)**	**(Not display)**	000
RHD091	**(Not display)**	**(Not display)**	000
RHD092	**(Not display)**	**(Not display)**	000

Item No.	Item name	Variable range	Setting value
RHD093	**(Not display)**	**(Not display)**	000
RHD094	**(Not display)**	**(Not display)**	000
RHD095	**(Not display)**	**(Not display)**	000
RHD096	**(Not display)**	**(Not display)**	000
RHD097	**(Not display)**	**(Not display)**	000
RHD098	**(Not display)**	**(Not display)**	000
RHD099	**(Not display)**	**(Not display)**	000
RHD100	**(Not display)**	**(Not display)**	000
RHD101	**(Not display)**	**(Not display)**	000
RHD102	**(Not display)**	**(Not display)**	000
RHD103	**(Not display)**	**(Not display)**	000
RHD104	**(Not display)**	**(Not display)**	000
RHD105	**(Not display)**	**(Not display)**	000
RHD106	**(Not display)**	**(Not display)**	000
RHD107	**(Not display)**	**(Not display)**	000
RHD108	**(Not display)**	**(Not display)**	000
RHD109	**(Not display)**	**(Not display)**	000
RHD110	**(Not display)**	**(Not display)**	000
RHD111	**(Not display)**	**(Not display)**	000
RHD112	**(Not display)**	**(Not display)**	000
RHD113	**(Not display)**	**(Not display)**	000
RHD114	**(Not display)**	**(Not display)**	000
RHD115	**(Not display)**	**(Not display)**	000
RHD116	**(Not display)**	**(Not display)**	000
RHD117	**(Not display)**	**(Not display)**	000
RHD118	**(Not display)**	**(Not display)**	000
RHD119	**(Not display)**	**(Not display)**	000
RHD120	**(Not display)**	**(Not display)**	000
RHD121	**(Not display)**	**(Not display)**	000
RHD122	**(Not display)**	**(Not display)**	000
RHD123	**(Not display)**	**(Not display)**	000
RHD124	**(Not display)**	**(Not display)**	000
RHD125	**(Not display)**	**(Not display)**	000
RHD126	**(Not display)**	**(Not display)**	000
RHD127	**(Not display)**	**(Not display)**	000
RHD128	**(Not display)**	**(Not display)**	000
RHD129	**(Not display)**	**(Not display)**	000
RHD130	**(Not display)**	**(Not display)**	000
RHD131	**(Not display)**	**(Not display)**	000
RHD132	**(Not display)**	**(Not display)**	000
RHD133	**(Not display)**	**(Not display)**	000
RHD134	**(Not display)**	**(Not display)**	000
RHD135	**(Not display)**	**(Not display)**	000
RHD136	**(Not display)**	**(Not display)**	000
RHD137	**(Not display)**	**(Not display)**	000

Item No.	Item name	Variable range	Setting value
RHD138	**(Not display)**	**(Not display)**	000
RHD139	**(Not display)**	**(Not display)**	000
RHD140	**(Not display)**	**(Not display)**	000
RHD141	**(Not display)**	**(Not display)**	000
RHD142	**(Not display)**	**(Not display)**	000
RHD143	**(Not display)**	**(Not display)**	000
RHD144	**(Not display)**	**(Not display)**	000
RHD145	**(Not display)**	**(Not display)**	000
RHD146	**(Not display)**	**(Not display)**	000
RHD147	**(Not display)**	**(Not display)**	000
RHD148	**(Not display)**	**(Not display)**	000
RHD149	**(Not display)**	**(Not display)**	000
RHD150	**(Not display)**	**(Not display)**	000
RHD151	**(Not display)**	**(Not display)**	000
RHD152	**(Not display)**	**(Not display)**	000
RHD153	**(Not display)**	**(Not display)**	000
RHD154	**(Not display)**	**(Not display)**	000
RHD155	**(Not display)**	**(Not display)**	000
RHD156	**(Not display)**	**(Not display)**	000
RHD157	**(Not display)**	**(Not display)**	000
RHD158	**(Not display)**	**(Not display)**	000
RHD159	**(Not display)**	**(Not display)**	000
RHD160	**(Not display)**	**(Not display)**	000
RHD161	**(Not display)**	**(Not display)**	000
RHD162	**(Not display)**	**(Not display)**	000
RHD163	**(Not display)**	**(Not display)**	000
RHD164	**(Not display)**	**(Not display)**	000
RHD165	**(Not display)**	**(Not display)**	000
RHD166	**(Not display)**	**(Not display)**	000
RHD167	**(Not display)**	**(Not display)**	000
RHD168	**(Not display)**	**(Not display)**	000
RHD169	**(Not display)**	**(Not display)**	000
RHD170	**(Not display)**	**(Not display)**	000

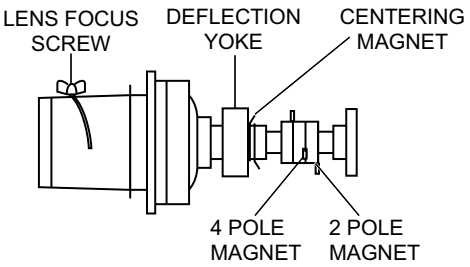
4.6 ADJUSTMENT PROCEDURE

4.6.1 CHECK ITEMS

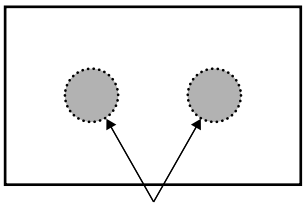
Item	Measuring instrument	Test point	Adjustment part	Description
X-RAY PROTECTOR check	Resistor [6.8kΩ±34Ω (1/4W)]	S1 connector 2 pin : X-Ray2 3 pin : X-Ray1 [DEF/ CONVEGENCE OUT PWB]		(1) Receive NTSC whole black signal. (2) Connect resistor 6.8kΩ±34Ω (1/4W) between 2 pin and 3 pin of the S1 connector. (3) Make sure that the screen picture disappears. (4) Unplug the power cord. (5) Remove the resistor [6.8kΩ] from S1 connector. (6) Again plug the power cord, make sure that the normal picture is displayed on the screen.
				
HIGH VOLTAGE check	Signal generator HV voltmeter	CRT anode		(1) Receive NTSC whole black signal. (2) Connect the HV voltmeter between CRT anode and GND. (3) Check the high voltage DC 31.6kV+1.0kV / -1.5kV.

4.6.2 FOCUS & BEAM SPOT ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS & BEAM SPOT adjustment	Signal generator Similar adhesive (Securing adhesive)		TEST MODE [5.CONVER OFF] R Def. yoke (DY) G Def. yoke (DY) B Def. yoke (DY) [PROJECTION UNIT] R LENS FOCUS screw G LENS FOCUS screw B LENS FOCUS screw [PROJECTION UNIT (LENS ASS'Y)] 4 pole magnet 2 pole magnet [PROJECTION UNIT (R / G / B CRT neck)] R FOCUS VR G FOCUS VR B FOCUS VR [FOCUS PACK]	(1) Receive NTSC crosshatch signal. (2) Select FULL mode with [ASPECT] key. (3) Select DYNAMIC mode with [VIDEO STATUS] key. (4) Select 5.CONVER OFF from TEST MODE menu, then dot pattern is appear. (5) Press [INPUT] key to appear crosshatch pattern. (6) Adjust the R, G and B DY position to mark straight horizontal line. **LENS FOCUS** (1) Makes a red single color. **NOTE :** When making a single color, while adjusting focus of one CRT, put the cap on other lens. (2) By turning the LENS FOCUS screw (in LENS ASS'Y), for optimum focus at the screen center. Check for absence of difference in the peripheral focus. If the peripheral focus is poor, slightly shift the center focus to obtain overall balanced focus. (3) In the same manner, produce green and blue single color and adjust their respective focus. (4) After adjustment, fixes a screw. **NOTE :** There is not a difference in the focus in the top and the bottom, on either side, in the diagonal. When the difference of the focus is big, it removes a main lens, and it puts a washer between the main lens and the coupler and adjusts it. **BEAM SPOT** (5) Change dot pattern with [INPUT] key. (6) Makes a red single color. (7) Turn the R FOCUS VR clockwise from just focus point, to set the dot diameter approx. to 30mm. (8) Turn the 4 pole magnet of the projection unit CRT neck and make beam shape round as circle on the position between center and both ends of the screen. (9) Adjust the R FOCUS VR for optimum focus at the position indicated in the figure. (10) Turn the 2 pole magnet of the CRT neck as optimum focus and defocus center should become the same point. (11) In the same manner, adjust for the green and blue single color focus. (12) Secure the 4 and 2 pole magnets with similar adhesive. **CRT FOCUS** (13) Receive NTSC crosshatch signal. (14) Select DYNAMIC mode with [VIDEO STATUS] key. (15) Makes a red single color. (16) Adjust the R FOCUS VR for optimum focus at the position indicated in the figure. (17) In the same manner, adjust for the green and blue single color focus.



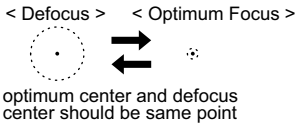
PROJECTION UNIT & LENS ASS'Y
(CRT adjustment location)



BEAM SPOT adjustment point

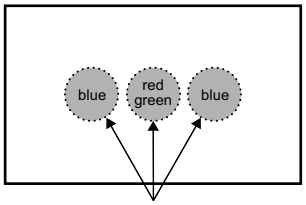
round as circle

4 pole magnet adjustment



optimum center and defocus center should be same point

2 pole magnet adjustment



CRT FOCUS adjustment point

4.6.3 DEFLECTION & CONVERGENCE ADJUSTMENT

- The adjustment using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- At first the adjustment in FULL mode should be done, then the data for the other ASPECT mode is corrected in the respective value at the same time.

4.6.3.1 FLOWCHART OF ADJUSTMENT

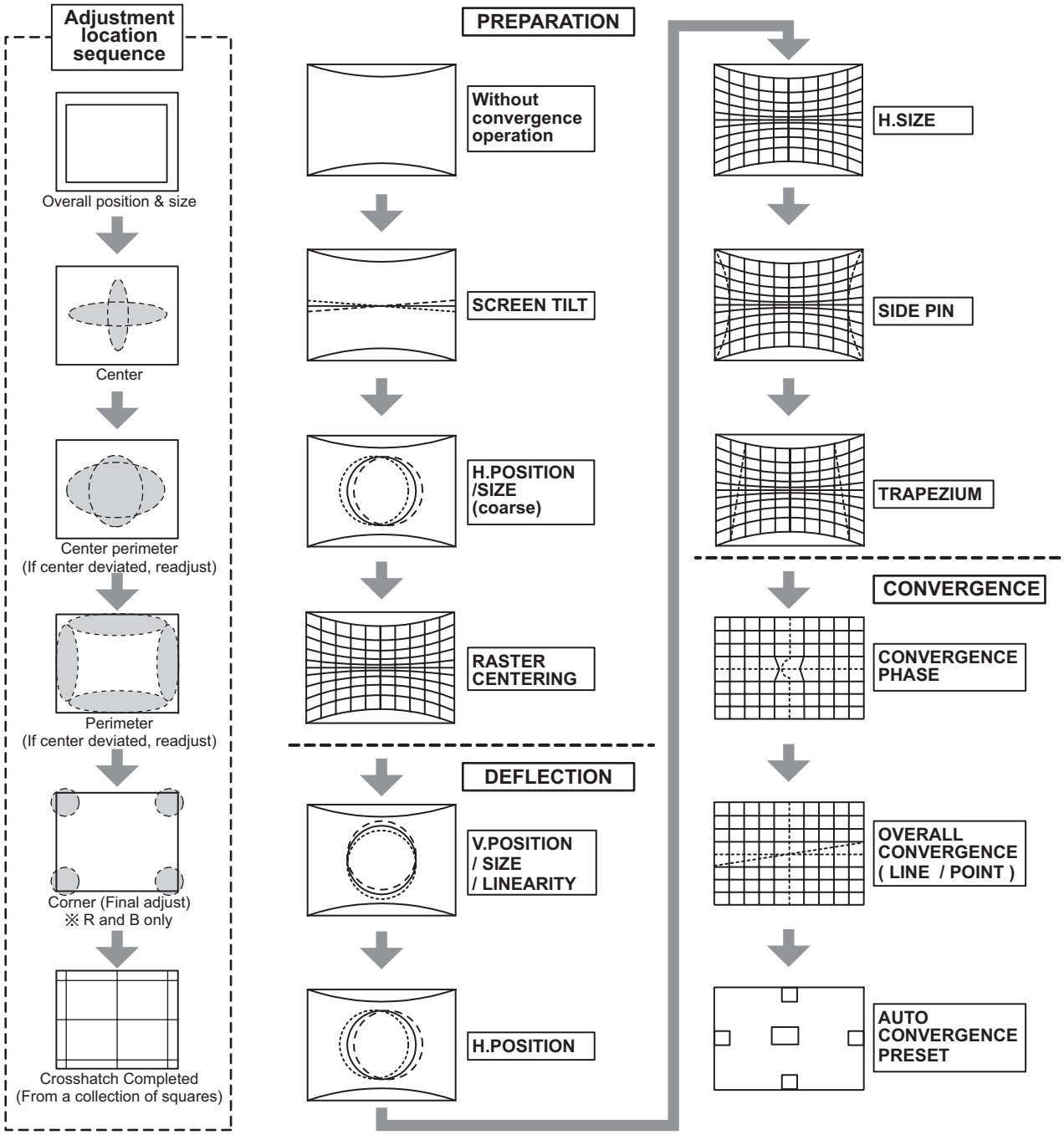
CAUTION:

All adjustments of the DEFLECTION circuit for this model should be carried out under the status without convergence operation. To enter the mode without convergence operation, select 1.PICTURE/SOUND and change the data in the setting item F62 from 0 to 1. (For details, please refer to the adjustment of DEFLECTION.)

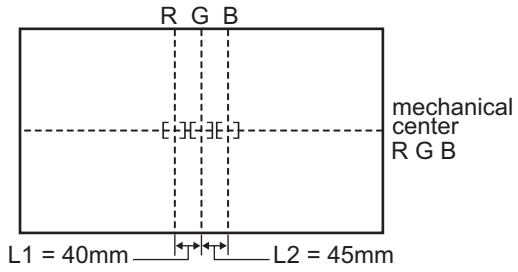
As a result, you can get the screen as shown in bellow figure. Adjust the DEFLECTION circuit in order of the steps indicated by the downward arrows.

NOTE:

When every adjustment of the DEFLECTION circuit has completed, start the adjustment of convergence.

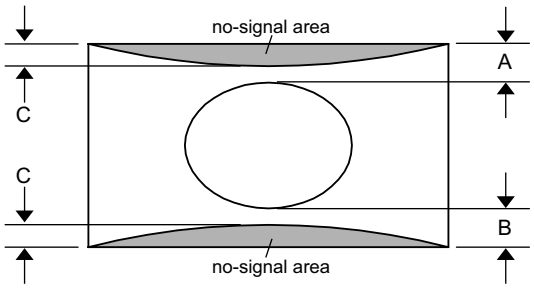


4.6.3.2 PREPARATION

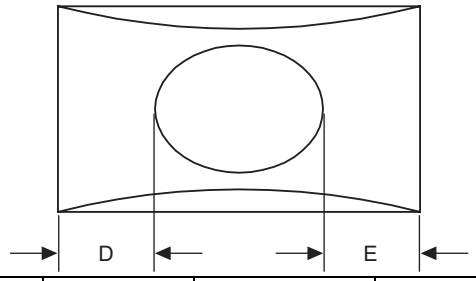
Item	Measuring instrument	Test point	Adjustment part	Description
SCREEN TILT adjustment	Signal generator Remote control unit		TEST MODE [5.CONVER OFF] G DEF. YOKE R DEF. YOKE B DEF. YOKE [PROJECTION UNIT]	• Confirm correct FOCUS adjustment. (1) Receive NTSC crosshatch signal. (2) Enter TEST MODE [5.CONVER OFF]. (3) Select crosshatch pattern with [INPUT] key. (4) Makes a green single color. **NOTE :** When making a single color, while adjusting of one CRT, put the cap on other lens. (5) Temporarily secure the G deflection yoke to the top of the neck and adjust the tilt of the deflection yoke so that the horizontal line at the center becomes flat. After adjustment, fasten the temporal screw. (6) Adjust the tilt of the R and B deflection yokes in the same manner as for G. **NOTE :** Make sure that the adjustment of CRT FOCUS is optimized at the center and at the fringe of the center in turn. If the proper adjustment has not been done, adjust FOCUS VR again.
H. POSITION / H. SIZE (coarse) adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D03 : H. SIZE D14 : H. CENTER F62 : Without convergence operation	(1) Receive NTSC circle (or crosshatch) signal. (2) Select 1. PICTURE/SOUND from SERVICE MENU. (3) Select < F62 > (Without convergence operation) with [CH +] / [CH -] keys. (4) Change the data 0 to 1, then it makes picture without convergence operation. (5) Makes a green single color. **NOTE :** When making a single color, while adjusting of one CRT, put the cap on other lens. (6) Select < D03 > (H. SIZE) and shorten the level until and perpendicular amplitude of vibration with until the blanking in Left and Right and on either side can be seen. (7) Select < D14 > (H. CENTER) and adjust horizontal position to make the screen center and signal center. (8) Select < D03 > and adjust horizontal size to make screen picture approx. 92% of H-SIZE. (9) After adjustment, select < F62 > and change the data 1 to 0. (10) Press [MUTING] key to memorize the set value.
RASTER CENTERING adjustment	Signal generator Remote control unit		TEST MODE [5. CONVER OFF] G CENTERING magnet R CENTERING magnet B CENTERING magnet [PROJECTION UNIT]	**NOTE :** Carry out after finishing adjustment of H. POSITION and H. SIZE. (1) Receive NTSC crosshatch signal. (2) Enter TEST MODE [5.CONVER OFF] and select crosshatch pattern with [INPUT] key. (3) Adjust G CENTERING magnet to make horizontal and vertical line center as mechanical center of screen. (4) Red and blue color too, are reflected by it. (5) Using R CENTERING magnet and B CENTERING magnet, adjusts for the line of the red(L1) and the blue(L2) to become the position of the left figure. **NOTE :** Vertical center position of the red and blue are the same as green.
				

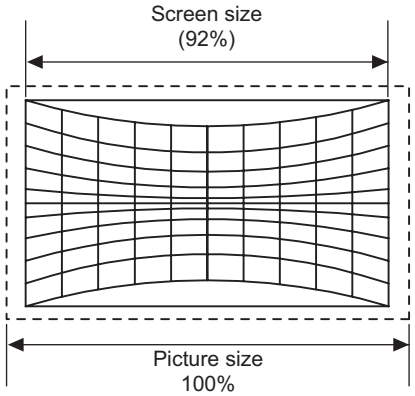
4.6.3.3 DEFLECTION ADJUSTMENT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>V. POSITION / V.SIZE / V.LINEARITY adjustment</td><td>Signal generator

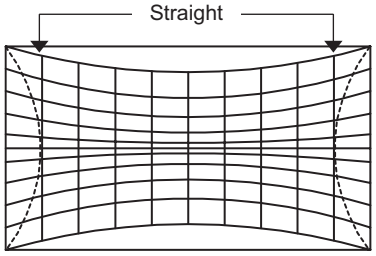
Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
D01 : V. SIZE
D05 : V. LINE
D06 : V. CENT
F62 : Without convergence operation</td><td rowspan="2">• To memorize every time after finish adjustment on each mode.
(1) Receive NTSC circle pattern signal.
(2) Select FULL mode with [ASPECT] key.
(3) Select 1. PICTURE/SOUND from SERVICE MENU.
(4) Select < F62 > (Without convergence operation).
(5) Change the data 0 to 1, then it makes picture without convergence operation.
(6) Select < D01 > (V. SIZE), < D05 > (V. LINE) and < D06 > (V. CENT).
(7) Adjust < D01 >, < D05 > and < D06 > to make A = B (precision ±2mm), and adjust to make C same value as table.
(8) After adjustment, select < F62 > and change the data 1 to 0.
(9) Press [MUTING] key to memorize the set value.
NOTE :
Do not adjust < D04 > (V. SCORE), if it is different vertical position after adjust vertical linearity, to adjust vertical position.</td></tr>
<tr><td colspan="3"> 

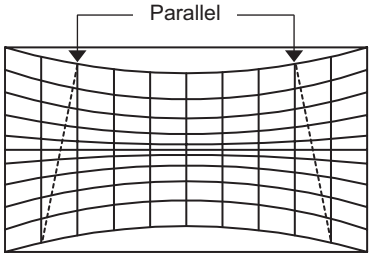
<table>
<tr><td></td><td>48"</td><td>56"</td></tr>
<tr><td>C</td><td>55mm</td><td>75mm</td></tr>
</table></td></tr>
<tr><td>H. POSITION adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
D14 : H. CENTER
F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC circle pattern signal.
(2) Select FULL mode with [ASPECT] key.
(3) Select 1. PICTURE/SOUND from SERVICE MENU.
(4) Select < F62 > (Without convergence operation).
(5) Change the data 0 to 1 with [VOL-/VOL+] key, then it makes picture without convergence operation.
(6) Select < D14 > (H. CENTER).
(7) Adjust < D14 > to make D = E as shown figure.
(8) After adjustment, select < F62 > and change the data 1 to 0.
(9) Press [MUTING] key to memorize the set value.</td></tr>
<tr><td colspan="3"> 
</td></tr>
<tr><td>H. SIZE adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
D03 : H. SIZE
F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC crosshatch signal.
(2) Select FULL mode with [ASPECT] key.
(3) Select 1. PICTURE/SOUND from SERVICE MENU.
(4) Select < F62 > (Without convergence operation).
(5) Change the data 0 to 1, then it makes picture without convergence operation.
(6) Select < D03 > (H. SIZE).
(7) Adjust < D03 > to make sure that the vertical screen size of the picture size is 92%.
(8) After adjustment, select < F62 > and change the data 1 to 0.
(9) Press [MUTING] key to memorize the set value.</td></tr>
<tr><td colspan="3"> 
</td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SIDE PIN adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
D02 : EW
D08 : BOT.CORN
D09 : TOP.CORN
F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC crosshatch signal.
(2) Select FULL mode with [ASPECT] key.
(3) Select 1. PICTURE/SOUND from SERVICE MENU.
(4) Select < F62 > (Without convergence operation).
(5) Change the data 0 to 1, then it makes picture without convergence operation.
(6) Select < D02 > (EW), < D08 > (BOT.CORN) and < D09 > (TOP.CORN).
(7) Adjust < D02 >, < D08 > and < D09 > to make the vertical lines at the left and right edges of the screen straight.
(8) After adjustment, select < F62 > and change the data 1 to 0.
(9) Press [MUTING] key to memorize the set value.
NOTE :
After making adjustments, confirm that the horizontal position is properly adjusted. If the horizontal is out of alignment, readjust it. Adjust H. SIZE & SIDE PIN reparably.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>TRAPEZIUM adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
D07 : EW.TRAP
F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC crosshatch signal.
(2) Select FULL mode with [ASPECT] key.
(3) Select 1. PICTURE/SOUND from SERVICE MENU.
(4) Select < F62 > (Without convergence operation).
(5) Change the data 0 to 1, then it makes picture without convergence operation.
(6) Select < D07 > (EW.TRAP).
(7) Adjust < D07 > to bring the vertical lines at the right and left edges of the screen parallel.
(8) After adjustment, select < F62 > and change the data 1 to 0.
(9) Press [MUTING] key to memorize the set value.
NOTE :
After making adjustments, confirm that the horizontal position is properly adjusted. If the horizontal is out of alignment, readjust it. Adjust H. SIZE & SIDE PIN reparably.</td></tr>
<tr><td colspan="4"> 
</td></tr>
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4.6.3.4 CONVERGENCE ADJUSTMENT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>CONVERGENCE PHASE check</td><td>Signal generator

Remote control unit</td><td></td><td>[6.CONVER A]
CPA04 : TPOV OFST
CPA05 : FINEP
CPA06 : STARTLIN A
CPA07 : STARTLIN B
CPA08 : CAU H2
CPA09 : COARS OFST
CPA10 : V1OFSTA
CPA11 : V1OFSTB</td><td rowspan="2">NOTE:
Be sure to make it the value of Table1. Supposing data differs, correct to the value of Table1.
When data is corrected (when the [MUTING] key is pushed), it is necessary to perform an AUTO CONVERGENCE PRESET, after a convergence adjusts exactly.
(1) Receive NTSC crosshatch signal.
(2) Select 6.CONVER A from SERVICE MENU.
(3) Select < CPA > item with [INPUT] key.
(4) Check and set data that < CPA04 > to < CPA11> are same value as table1.
(5) Press [MUTING] key to memorize the set values.</td></tr>
<tr><td colspan="4">
<table>
<tr><th>Item No.</th><th>Item name</th><th>Initial setting value</th></tr>
<tr><td>CPA04</td><td>TPOV OFST</td><td>0</td></tr>
<tr><td>CPA05</td><td>FINEP</td><td>1245</td></tr>
<tr><td>CPA06</td><td>STARTLIN A</td><td>56</td></tr>
<tr><td>CPA07</td><td>STARTLIN B</td><td>-1</td></tr>
<tr><td>CPA08</td><td>CAU H2</td><td>0</td></tr>
<tr><td>CPA09</td><td>COARS OFST</td><td>-50</td></tr>
<tr><td>CPA10</td><td>V1OFSTA</td><td>7</td></tr>
<tr><td>CPA11</td><td>V1OFSTB</td><td>0</td></tr>
</table>
Table1
</td></tr>
<tr><td>OVERALL CONVERGENCE (LINE) check</td><td>Signal generator

Remote control unit</td><td></td><td>[6.CONVER A]
CPA01 : FINE OFF
CCA01 : H CENT
CCA02 : H SIZE
CCA03 : H LIN
CCA04 : H SKEW
CCA05 : EW PIN
CCA06 : H BOW
CCA07 : V CENT
CCA08 : V SKEW
CCA09 : V SIZE
CCA10 : V LIN
CCA11 : V KEY
CCA12 :TB PIN</td><td rowspan="2">NOTE:
Be sure to make it the value of Table2. Supposing data differs, correct to the value of Table2.
When data is corrected (when the [MUTING] key is pressed), it is necessary to perform an AUTO CONVERGENCE PRESET, after a convergence adjusts exactly.
(1) Receive NTSC crosshatch signal.
(2) Select 6.CONVER A from SERVICE MENU.
(3) Select < CPA01 > (FINE OFF).
(4) Change the data 0 to1. (Clear the fine adjustment data)
(5) Select < CCA > item with [INPUT] key. Then a green crosshatch pattern for adjustment will be displayed on the screen.
(6) Check and set data < CCA01 > to < CCA12 > are same value as table2.
(7) Press [SLEEP TIMER] key to change the adjusting color to red and blue.
NOTE:
Press [OK] key to change the display colors. Whenever [OK] key is pressed, the menu will sequence in this order: "2 colors (adjusting color+green)" → "3 colors (RGB)"
(8) Press [MUTING] key to memorize the set values.
(9) Select < CPA01 >.
(10) Change the < CPA01 > 1 to 0.
(11) Press [MUTING] key to memorize the set values.</td></tr>
<tr><td colspan="4">
<table>
<tr><th rowspan="2">Item No.</th><th rowspan="2">Item name</th><th colspan="3">Initial setting value</th></tr>
<tr><th>GREEN</th><th>RED</th><th>BLUE</th></tr>
<tr><td>CCA01</td><td>H CENT</td><td>0</td><td>-246</td><td>395</td></tr>
<tr><td>CCA02</td><td>H SIZE</td><td>-27</td><td>-54</td><td>16</td></tr>
<tr><td>CCA03</td><td>H LIN</td><td>-96</td><td>240</td><td>-348</td></tr>
<tr><td>CCA04</td><td>H SKEW</td><td>0</td><td>0</td><td>-10</td></tr>
<tr><td>CCA05</td><td>EW PIN</td><td>-91</td><td>-26</td><td>-17</td></tr>
<tr><td>CCA06</td><td>H BOW</td><td>0</td><td>-30</td><td>21</td></tr>
<tr><td>CCA07</td><td>V CENT</td><td>-19</td><td>8</td><td>12</td></tr>
<tr><td>CCA08</td><td>V SKEW</td><td>0</td><td>0</td><td>4</td></tr>
<tr><td>CCA09</td><td>V SIZE</td><td>-108</td><td>-77</td><td>-105</td></tr>
<tr><td>CCA10</td><td>V. LIN</td><td>15</td><td>12</td><td>8</td></tr>
<tr><td>CCA11</td><td>V. KEY</td><td>0</td><td>114</td><td>-77</td></tr>
<tr><td>CCA12</td><td>TB PIN</td><td>280</td><td>153</td><td>230</td></tr>
</table>
Fig.Table2
</td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
OVERALL CONVERGENCE (POINT) adjustment	Signal generator Remote control unit		[7.CONVER B]	**NOTE:** Perform this adjustment after performing OVERALL CONVERGENCE (LINE) check. It adjusts displaying and checking adjustment data by the [DISPLAY] key. Adjust in order of area A, area B, area C and area D. (1) Receive NTSC crosshatch signal. (2) Select 7.CONVER B from SERVICE MENU. Then appear green crosshatch pattern for adjustment. (See Fig.1) (3) Press [DISPLAY] key for displaying and checking adjustment data. (4) Press [2] / [4] / [5] / [6] / [8] keys respectively, move the cursor to the adjusting point. (5) Press [CH+] / [CH-] / [VOL+] / [VOL-] keys, adjust the position of the adjusting point so that it is located at the place as shown in Fig.2. (6) Adjust area A. (7) Adjust area B. (8) Adjust area C. (9) Adjust area D. It adjusts toward an outside from the inside of a screen. (e.g. H#3 > H#2 > ---) H#0 is fixed data with the value inputted by adjustment of area C. When the point of H#0 needs to be adjusted, adjusts the data of H#1 and H#2. If the data of H#1 adjusts H#0, H#2 will move, the data of H#2 adjusts H#1 and H#2. It repeats if needed. (See Fig.3) (10) Press [SLEEP TIMER] key to select the red and blue crosshatch patterns, respectively, and make convergence adjustments so that they align with the adjusting points of the green crosshatch pattern (reference color). (11) Press [OK] key to change the display colors to 3 colors from 2 colors (adjusting color + green) and make sure that the convergence has been aligned with each other. (12) Press [MUTING] key to memorize the set values. (13) Perform an AUTO CONVERGENCE PRESET.

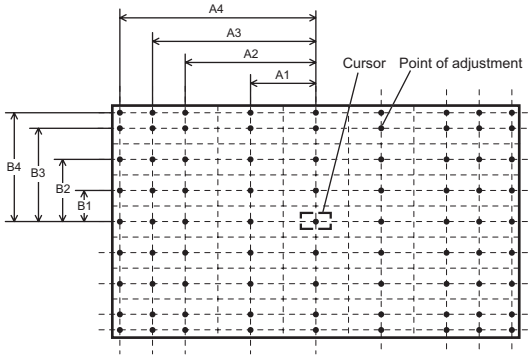


Fig.1

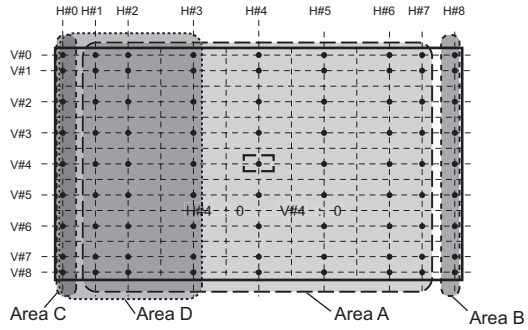


Fig.2

	A1	A2	A3	A4	B1	B2	B3	B3
48" model	174	348	435	522	82	164	246	287
56" model	204	407	509	611	96	192	287	335

SPAN TABLE (mm)

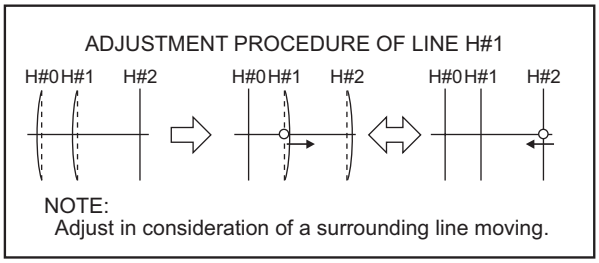
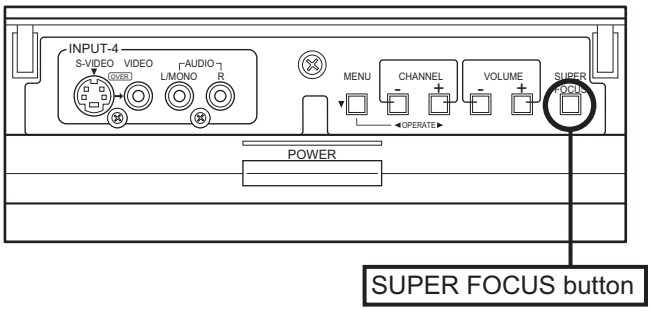
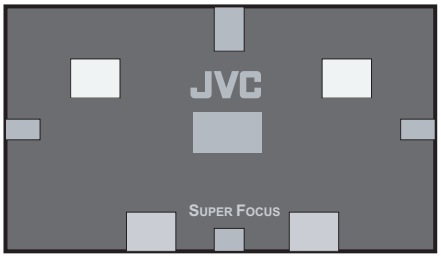


Fig.3

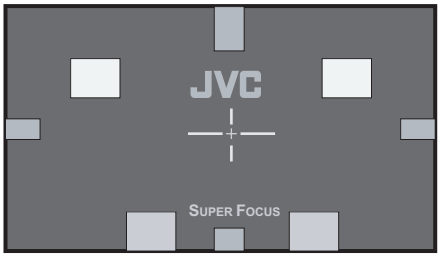
Item	Measuring instrument	Test point	Adjustment part	Description
AUTO CONVERGENCE (SUPER FOCUS) setting	Signal generator Remote control unit		[6.CONVER A] [7.CONVER B]	**AUTO CONVERGENCE (SUPER FOCUS) PRESET** AUTO CONVERGENCE PRESET is a work in which you store (memorize) an optimum reference CONVERGENCE in SUPER FOCUS operation in the unit. At the factory, this PRESET has been carried out and memorized in the unit after adjusting CONVERGENCE. However, PRESET will be invalid when the servicing is carried out in accordance with the following conditions. In this case, it is necessary to execute PRESET again. **CONDITIONS THAT RESET IS EXECUTED** (1) When the data is memorized with the [MUTING] key on SERVICE MENU 6.CONVER A regardless of the change of data (CPA, CCA, CDA and CBA). (2) When the data is memorized with the [MUTING] key on SERVICE MENU 7.CONVER B regardless of CONVERGENCE adjustment. **NOTE FOR PRESET** • It is required that you must execute PRESET when CONVERGENCE has been properly adjusted because the CONVERGENCE will be a reference to SUPER FOCUS. • When SENSOR around the SCREEN is replaced to new one, it is also necessary to execute PRESET. In this case, perform RESET according to the steps 1 or 2, then execute PRESET again. **HOW TO EXECUTE PRESET** When executing SUPER FOCUS with AUTO on CONVERGENCE of the USER MENU or SUPER FOCUS button on the FRONT CONTROL, you can execute PRESET automatically when RESET is applied. In this case, a dimmed block will be displayed in the center of the screen. (When SUPER FOCUS is operated, a crossshape pattern will be displayed in the center of the screen.) **NOTE :** When a unicolor block in the center of the screen flashes on and off at PRESET or SUPER FOCUS, it means that the input from SENSOR is not normal (input level is too low). In this case, make sure that SENSOR receives enough light from the backside. • Not receives enough light It is necessary to readjust RASTER CENTER, H/V SIZE and CONVERGENCE. • Receives enough light Failure of the sensor or defects of detection route (circuit).

FRONT CONTROL

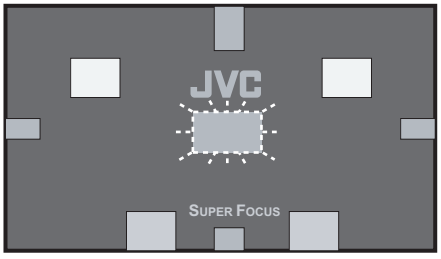




PRESET IS OPERATING



SUPER FOCUS IS OPERATING



SENSOR IS NOT NORMAL

4.6.4 VIDEO ADJUSTMENT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>RGB CUTOFF adjustment</td><td>Signal generator

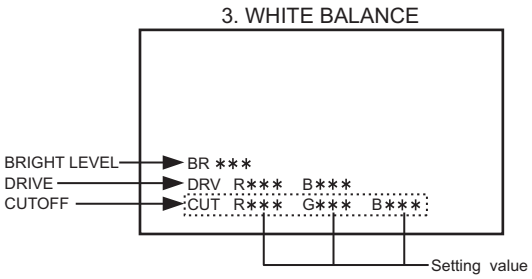
Oscilloscope

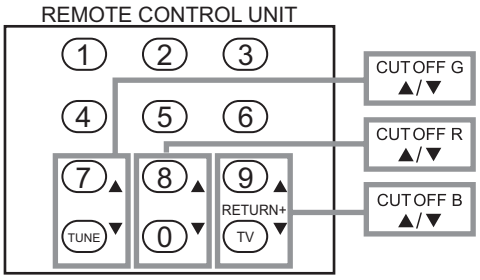
Remote control unit</td><td>TP-R
[R CRT SOCKET PWB]
TP-G
[G CRT SOCKET PWB]
TP-B
[B CRT SOCKET PWB]</td><td>[1.PICTURE/SOUND]
S14: CUTOF R
S16: CUTOF G
S18: CUTOF B

R SCREEN VR
G SCREEN VR
B SCREEN VR
[FOCUS PACK]</td><td>(1) Receive NTSC signal (include 0% or -3% black).
(2) Select STANDARD mode with [VIDEO STATUS] key.
(3) Select FULL mode with [ASPECT] key.
(4) Set the COLOR TEMP is LOW mode.
(5) Connect the oscilloscope to TP-G.
(6) Select 1.PICTURE/SOUND from SERVICE MENU.
(7) Select < S03 > (BRIGHT).
(8) Set < S03 > to 127.
(9) Select < S16 > (CUTOF G).
(10) Adjust < S16 > so that the 0% or -3% signal portion and the 100% signal portion of both sides may become the 180V.
(11) Press [MUTING] key to memorize the set value.
(12) Receive 480i component signal (include 0% or -3% black).
(13) Select < S03 >.
(14) Set < S03 > to 127.
(15) Select < S16 >.
(16) Set < S16 > same as memorized NTSC value.
(17) Select STANDARD mode with [VIDEO STATUS] key.
(18) Select FULL mode with [ASPECT] key.
(19) The COLOR TEMP set at the LOW mode.
(20) Set 1080i component signal (include 0% or -3% black).
(21) Select < S03 >.
(22) Set < S03 > to 127.
(23) Select < S16 >.
(24) Set < S16 > same as memorized NTSC value.
(25) Connect the oscilloscope to TP-R and < S14 > (CUTOF R) adjust same manner as for (6.) to (11.) above.
(26) Connect the oscilloscope to TP-B and < S18 > (CUTOF B) adjust same manner as for (6.) to (11.) above.
(27) Adjust SCREEN VR for RGB respectively, so that the black (3%) becomes faintly whitish.
NOTE :
If it is difficult to adjust the SCREEN precisely, adjust the SCREEN VR for one of 3 colors while masking other 2 colors.</td></tr>
</table>

Item No.	Item name	Initial setting value
S03	BRIGHT	127
S14	CUTOF R	185
S16	CUTOF G	185
S18	CUTOF B	185
S20	CUTOFSWR	001
S21	CUTOFSWG	001
S22	CUTOFSWB	001

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (LOW LIGHT) adjustment	Signal generator Remote control unit		[3.WHITE BALANCE] BR CUT R CUT B	**NOTE :** Before starting the adjustment, warm up the unit for more than 30 minutes. (1) Receive NTSC gray scale signal (include 0% black). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Set the COLOR TEMP is LOW mode. (4) Select 3.WHITE BALANCE from SERVICE MENU. (5) Select < BR >, < DRV R >, < DRV B >, < CUT R >, < CUT G > and < CUT B >. (6) Set the initial setting value. (7) Adjust < BR > so that the LOW-LIGHT should be visible. (8) Adjust using [8] / [0] keys and [9] / [TV] keys so that a 0%black portion may become black. (9) Press [MUTING] key to memorize the set values. (10) Input 480i component signal (include 0% black) from COMPONENT VIDEO terminal. (11) Repeat steps 5 to 9 above. (12) Input 1080i component signal (include 0% black) from COMPONENT VIDEO terminal. (13) Repeat steps 5 to 9 above.



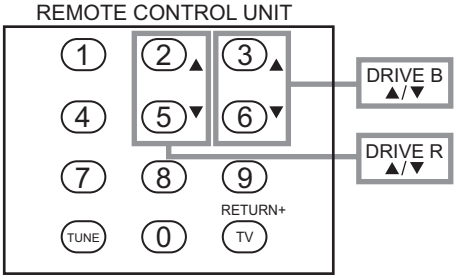


1.PICTURE/SOUND			3.WHITE BALANCE	
Item No.	Item name	Initial setting value	Item name	Initial setting value
S03	BRIGHT	127	BR	127
S10	DRIVE R	085	DRV R	085
S12	DRIVE B	085	DRV B	085
S14	CUTOF R	185	CUT R	215
S16	CUTOF G	185	CUT G	215
S18	CUTOF B	185	CUT B	215

NOTE :
- 3. WHITE BALANCE < BR >, < DRV R >, < DRV B >, < CUT R >, < CUT G > and < CUT B > are equal to 1. PICTURE/SOUND < S03 >, < S10 >, < S12 >, < S14 >, < S16 > and < S18 >.
- 3. WHITE BALANCE < BR >, < DRV R > and < DRV B > are same value as 1. PICTURE/SOUND < S03 >, < S10 > and < S12 >.
- 3. WHITE BALANCE < CUT R >, < CUT G > and < CUT B > are same value as 1. PICTURE/SOUND < S14 >, < S16 > and < S18 > plus 30.
- For example, 3.WHITE BALANCE < BR > value was changed from 127 to 120, 1.PICTURE/SOUND < S03 > value was changed from 127 to 120 automatically. 3. WHITE BALANCE < CUT R > value was changed from 215 to 210, 1.PICTURE/SOUND < S03 > value was changed from 185 to 180 automatically.

WHITE BALANCE (HIGH LIGHT) adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] S10: DRIVE R S12: DRIVE B [3.WHITE BALANCE] DRV R DRV B	(1) Receive NTSC gray scale signal (include 75% white). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Set the COLOR TEMP is LOW mode. (4) Select 1.PICTER/SOUND from SERVICE MENU. (5) Select < S10 > (DRIVE R) and < S12 > (DRIVE B). (6) Set the initial setting value. (7) Select 3.WHITE BALANCE from SERVICE MENU. (8) Adjust using [2] / [5] keys and [3] / [6] keys so that the natural white should be visible on 75% white. (9) Press [MUTING] key to memorize the set values. (10) Input 480i component gray scale signal (include 75% white) from COMPONENT VIDEO terminal. (11) Repeat steps 4 to 9 above. (12) Input 1080i component grayscale signal (include 75% white) from COMPONENT VIDEO terminal. (13) Repeat steps 4 to 9 above.

Signal / Item	Initial setting value		
	NTSC	480i	1080i
S10	064	064	064
S12	080	080	080



<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB BRIGHT adjustment</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
S03: BRIGHT</td><td rowspan="2">(1) Receive NTSC signal.
(2) Select STANDARD mode with [VIDEO STATUS] key.
(3) Set the COLOR TEMP is LOW mode.
(4) Select 1.PICTURE/SOUND from SERVICE MENU.
(5) Select < S03 > (BRIGHT).
(6) Set the initial setting value. (See Table 1)
(7) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness.
(8) Press [MUTING] key to memorize the set values.
(9) Select THEATER mode with [VIDEO STATUS] key.
(10) Repeat steps 4 to 8 above.
(11) Input 480i component signal from COMPONENT VIDEO terminal.
(12) Repeat steps 2 to 10 above.
(13) Input 1080i component signal from COMPONENT VIDEO terminal.
(14) Repeat steps 2 to 10 above.</td></tr>
<tr><td colspan="4">
<table>
<tr><th>Signal / Item</th><th colspan="3">Setting value</th></tr>
<tr><td></td><td>NTSC</td><td>480i</td><td>1080i</td></tr>
<tr><td>S03</td><td>127</td><td>127</td><td>127</td></tr>
</table>
Table 1
</td></tr>
<tr><td>SUB CONTRAST adjustment (1)</td><td>Signal generator

Remote control unit</td><td></td><td>[1.PICTURE/SOUND]
S04: CONTRAST</td><td rowspan="2">[Method of adjustment without measuring instrument]
(1) Receive NTSC gray scale signal.
(2) Select STANDARD mode with [VIDEO STATUS] key.
(3) Set the COLOR TEMP is LOW mode.
(4) Select 1.PICTURE/SOUND from SERVICE MENU.
(5) Select < S04 > (CONTRAST).
(6) Set the initial setting value. (See Table 2)
(7) If the contrast is not the best with the initial setting value, make fine adjustment of the < S04 > until you get the optimum contrast.
(8) Press [MUTING] key to memorize the set values.
(9) Select THEATER mode with [VIDEO STATUS] key.
(10) Repeat steps 4 to 8 above.
(11) Input 480i component black & white signal from COMPONENT VIDEO terminal.
(12) Repeat steps 2 to 9 above.
(13) Receive 1080i component black & white signal from COMPONENT VIDEO terminal.
(14) Repeat steps 2 to 9 above.</td></tr>
<tr><td colspan="4">
<table>
<tr><th>Signal / Item</th><th colspan="3">Setting value</th></tr>
<tr><td></td><td>NTSC</td><td>480i</td><td>1080i</td></tr>
<tr><td>S04</td><td>052</td><td>061</td><td>061</td></tr>
</table>
Table 2
</td></tr>
<tr><td>SUB CONTRAST adjustment (2)</td><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-G
[G CRT SOCKET PWB]</td><td>[1.PICTURE/SOUND]
S04: CONTRAST</td><td>[Method of adjustment with measuring instrument]
(1) Receive NTSC gray scale signal.
(2) Select STANDARD mode with [VIDEO STATUS] key.
(3) Select FULL mode with [ASPECT] key.
(4) Set the COLOR TEMP is LOW mode.
(5) Connect the oscilloscope to TP-G.
(6) Select 1.PICTURE/SOUND from SERVICE MENU.
(7) Select < S04 > (CONTRAST).
(8) Adjust < S04 > so that the 0% signal portion and the 100% signal portion of both sides may become the follow table voltage.
(9) Press [MUTING] key to memorize the set value.
(10) Select THEATER mode with [VIDEO STATUS] key.
(11) Repeat steps 8 to 9 above.
(12) Receive 480i component gray scale signal.
(13) Repeat steps 2 to 9 above.
(14) Set 1080i component gray scale signal.
(15) Repeat steps 2 to 9 above.</td></tr>
<tr><td colspan="4">
SETTING VOLTAGE [AV-48P776 / AV-48P786]
<table>
<tr><th>Signal / Video status</th><th>NTSC</th><th>480i</th><th>1080i</th></tr>
<tr><td>STANDARD</td><td>102V</td><td>104V</td><td>100V</td></tr>
<tr><td>THEATER</td><td>102V</td><td>104V</td><td>94V</td></tr>
</table>
SETTING VOLTAGE [AV-56P776 / AV-56P786]
<table>
<tr><th>Signal / Video status</th><th>NTSC</th><th>480i</th><th>1080i</th></tr>
<tr><td>STANDARD</td><td>86V</td><td>92V</td><td>86V</td></tr>
<tr><td>THEATER</td><td>84V</td><td>92V</td><td>86V</td></tr>
</table>
Table 3
</td></tr>
</table>

Item	Measuring instrument	Test point	Adjustment part	Description
SUB COLOR / SUB TINT / B-Y GAIN adjustment (1)	Signal generator Remote control unit	TP-R [R CRT SOCKET PWB] TP-B [B CRT SOCKET PWB] TP-E (GND)	[1.PICTURE/SOUND] S01 : COLOR S02 : TINT S07 : B-Y	**[Method of adjustment without measuring instrument]** (1) Receive NTSC color bar signal (include 75% white). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Select 1.PICTURE/SOUND from SERVICE MENU. (4) Select < S01 > (COLOR) and < S02 > (TINT). (5) Set the initial setting value. (6) If the color or tint is not the best with the initial setting values, make fine adjustment until you get the best color or the best tint. (7) Select < S07 > (B-Y). (8) Set the initial setting value. (9) If the color bar is not clearly with the initial setting value, make fine adjustment until you get the clearly color bar. (10) Press [MUTING] key to memorize the set values. (11) Select THEATER mode with [VIDEO STATUS] key. (12) Repeat steps 3 to 10 above. (13) Input 480i component color bar signal from COMPONENT VIDEO terminal. (14) Repeat steps 2 to 12 above. (15) Input 480p component color bar signal from COMPONENT VIDEO terminal. (16) Repeat steps 2 to 12 above. (17) Input 1080i component color bar signal from COMPONENT VIDEO terminal. (18) Repeat steps 2 to 12 above.

Signal / Item	Initial setting value							
	NTSC		480i		480p		720p / 1080i	
	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S01	100	100	084	084	077	077	064	064
S02	064	064	063	063	060	060	071	071
S07	010	003	001	003	001	003	001	003

Item	Measuring instrument	Test point	Adjustment part	Description
SUB COLOR / SUB TINT / B-Y GAIN adjustment (2)	Signal generator Oscilloscope Remote control unit	TP-R [R CRT SOCKET PWB] TP-B [B CRT SOCKET PWB] TP-E (GND)	[1.PICTURE/SOUND] S01 : COLOR S02 : TINT S07 : B-Y	**[Method of adjustment with measuring instrument]** (1) Receive NTSC color bar signal (include 75% white). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Connect the oscilloscope to TP-R. (4) Select 1.PICTURE/SOUND from SERVICE MENU. (5) Select < S01 > (COLOR) and < S02 > (TINT). (6) Adjust < S01 > and < S02 > to be following setting value A[V]. (Refer to the table) (7) Press [MUTING] key to memorize the set values. (8) Select THEATER mode with [VIDEO STATUS] key. (9) Adjust < S01 > and < S02 > to be following setting value B[V] same as above. (Refer to the table) (10) Press [MUTING] key to memorize the set values. (11) Select STANDARD mode with [VIDEO STATUS] key. (12) Connect the oscilloscope to TP-B. (13) Adjust < S07 > (B-Y) to be setting value C[V]. (Refer to the table) (14) Press [MUTING] key to memorize the set values. (15) Select THEATER mode with [VIDEO STATUS] key. (16) Adjust < S07 > to be setting value D[V]. (Refer to the table) (17) Press [MUTING] key to memorize the set values. (18) Confirm that LOW-LIGHT is not different after adjusting. If it is green or magenta, to adjust LOW-LIGHT again. If adjust again, to set offset value again. (19) Input 480i component color bar signal from COMPONENT VIDEO terminal. (20) Repeat steps 2 to 17 above. (21) Input 480p component color bar signal from COMPONENT VIDEO terminal. (22) Repeat steps 2 to 17 above. (23) Input 1080i component color bar signal from COMPONENT VIDEO terminal. (24) Repeat steps 2 to 17 above.

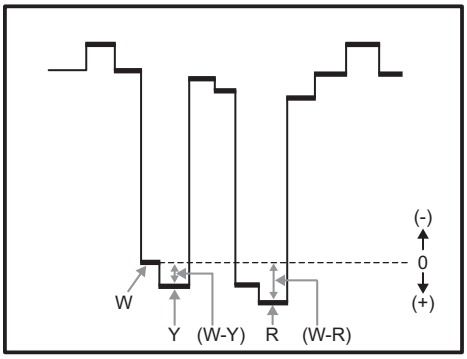


Fig.1

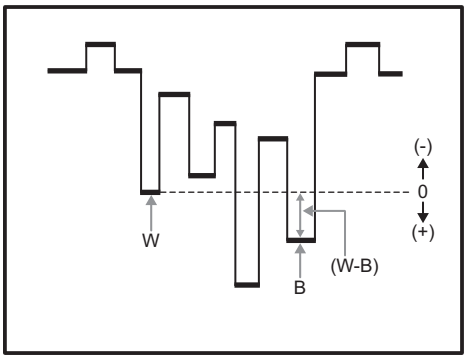


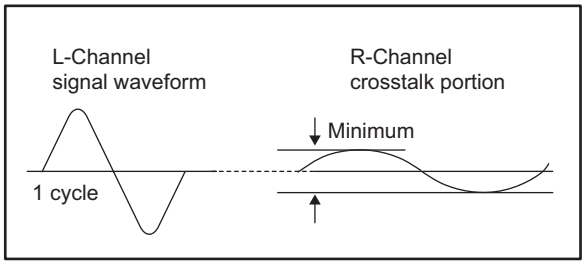
Fig.2

Setting item / Signal	Setting value **[V]**					
	A		B		C	D
	STANDARD		THEATER		STANDARD	THEATER
	S01 (W-R)	S02 (W-Y)	S01 (W-R)	S02 (W-Y)	S07 (W-B)	S07 (W-B)
NTSC	+26	+11	+15	+3	+4	+8
480i	+23	+11	+5	-4	-15	-13
480p	+19	+11	-6	-3	-24	-40
1080i	+15	+5	+5	+4	-20	-25

Table

4.6.5 MTS ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL	Remote control unit		[1.PICTURE/SOUND] A01: IN LEVEL	(1) Receive the any broadcast. (2) Select the 1.PICTURE/SOUND from the SERVICE MODE. (3) Select the < A01 > (IN LEVEL). (4) Set the intal setting value of the < A01 >. (5) Press the [MUTING] key to memorize the set value.
MTS SEPARATION	TV audio multiplex signal generator Oscilloscope Remote control unit	R OUT L OUT [AUDIO OUT]	[1.PICTURE/SOUND] A02: LOW SEP A03: HI SEP	(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to L OUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal. (3) Change the connection of the oscilloscope to R OUT pin of the AUDIO OUT, and enlarge the voltage axis. (4) Select 1.PICTURE/SOUND from the SERVICE MODE. (5) Select the < A02 > (LOW SEP). (6) Set the initial setting value of the < A02 > (LOW SEP). (7) Adjust the < A02 > so that the stroke element of the 300Hz signal will become minimum. (8) Select the < A03 > (HI SEP). (9) Change the signal to 3kHz, and similarly adjust the < A03 > (HI SEP). (10) Press the [MUTING] key to memorize the set value.



SECTION 5
TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "SELF CHECK" feature, which checks the operational state of the circuit and displays/saves it during failure.Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time.Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I^2C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the SELF CHECK mode, confirm that the setting of TV / CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR / DVD SW is at the "VCR" side. If the switches have not been properly set, you cannot enter the SELF CHECK mode.

(1) Press the [SLEEP TIMER] key and set it to 30 minutes.
(2) Press the [VIDEO STATUS] key and [DISPLAY] key simultaneously, then enter the TEST MODE.
(3) Press the [4] key (SELF-CHK) .

5.1.3 HOW TO EXIT THE SELF CHECK MODE

To Save Failure History:

Turn off the power by unplugging the AC power cord plug when in the SELF CHECK mode.

To Clear (Reset) Failure History:

Turn off the power by pressing the [POWER] key on the remote control unit when in the SELF CHECK mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item.When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be iagnosed as "Abnormal" and displayed and counted as "NG".

(1) Temporary defective transmissions across circuits due to pulse interruptions
(2) Misalignment in the on/off timing of power for I^2C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start SELF CHECK only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis reults.

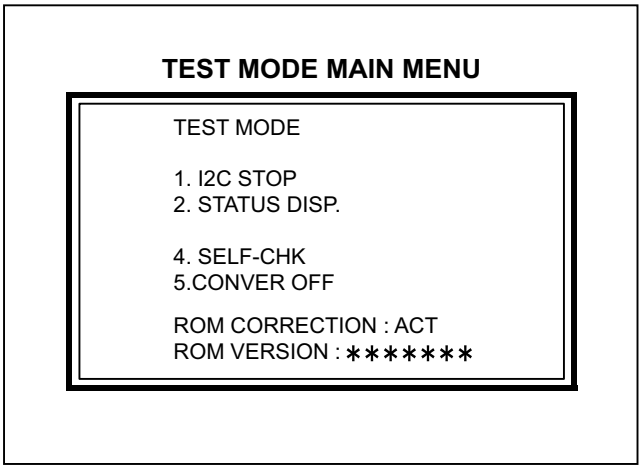


Fig.1

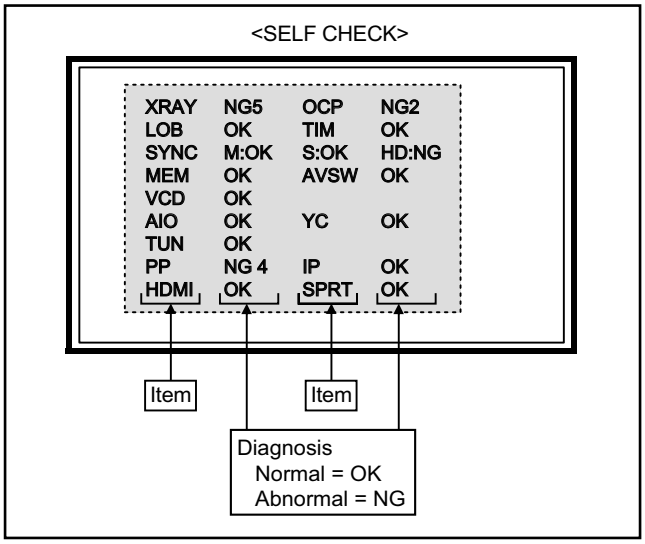


Fig.2

5.1.6 DETAILS

SELF CHECK is performed for the following items:

Check Item	Indication	Details of detection	Method of detection
X-ray protection	XRAY	Operation of X-ray protection circuit. Q1853 [MAIN PWB]	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, POWER LED is turned on and off.
B1 over-current protection	OCP	B1 over-current is detected. Q971 [DEF & CONVERGENCE OUT PWB]	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically.
Low B short protection	LOB	Operation of low B short protection circuit. 5V: Q1961 9V: Q1962 [MAIN PWB]	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically.
CRT neck protection		Operation of CRT neck protection circuit. Q402 [DEF & CONVERGENCE OUT PWB]	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 1.5s, the power is turned off automatically.
Timer (clock)	TIM	The power frequency is changed as follows: 50Hz→60Hz / 60Hz→50Hz IC1701 [MAIN PWB]	Periodically check the power frequency by counting the AC pulse and monitor whether or not the frequency is changed except for the time immediately after resetting.
Presence or absence of synchronized signal	SYNC	Presence of synchronized signal. HD: Component input / M: NTSC main / S: NTSC sub IC1301 [MAIN PWB]	When entering the self-check mode, "OK" is shown. While running the mode with picture signal, if the synchronized signal is disappeared, "NG" is shown.
Main memory	MEM	ACK is returned when I^2C traffic is carried out. IC1803 (memory) [MAIN PWB]	The state is monitored every time when I^2C traffic is carried out. Then the state is counted as a failure if ACK is not returned.
AV switch	AVSW	Ditto IC1501 and IC1801 [MAIN PWB]	Ditto
Video process	VCD	Ditto IC1301 [MAIN PWB]	Ditto
Audio process	AIO	Ditto IC1140 [MAIN PWB]	Ditto
3D YC separation	YC	Ditto IC3101 [DIGITAL SIGNAL PWB]	Ditto
RF tuner	TUN	Ditto TU1101 [MAIN PWB]	Ditto
Multi screen	PP	Not used	---
DIST process	IP	ACK is returned when I^2C traffic is carried out. IC3001 [DIGITAL SIGNAL PWB]	The state is monitored every time when I^2C traffic is carried out. Then the state is counted as a failure if ACK is not returned.
Digital input process	HDMI	Ditto	Ditto
Split protection	SPRT	Not used	---

5.1.7 DISPLAY METHOD WHEN RASTER IS NOT AVAILABLE

The self check results are shown on the following LED display.
Method of indication when the raster is not displayed.
Each failure is shown by turning LED on and off at the specified intervals.

- For B1 over-current protection, CRT neck protection and Low B short protection, the power of the TV is turned off, if NG is detected. Immediately after the power is turned off, POWER LED will be turning on and off. When the power is turned off, you cannot turn the power on again until the AC plug is taken out and put in again.

Item	POWER LED ON / OFF intervals
X-ray protection	Turning on and off at 0.1-second intervals
B1 over-current protection	Turning on and off at 1-second intervals
Low B short protection	Turning on and off at 2-second intervals
CRT neck protection	Turning on and off at 3-second intervals

JVC
Victor Company of Japan, Limited
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(No.YA318)

Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

REAR PROJECTION TELEVISION

AV-48P776/H, AV-48P786/H, AV-56P776/H, AV-56P786/H

CD-ROM No.SML200511

BASIC CHASSIS
SR

[AV-56P776]

I'Art PRO

D.I.S.T. Digital Image Scaling Technology

HIGH DEFINITION TELEVISION HDTV MONITOR

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

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2005/11

AV-48P776/H, AV-48P786/H, AV-56P776/H, AV-56P786/H
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20μs / div
	: V ⇒ 5ms / div
	: Othters ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [μF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors

47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

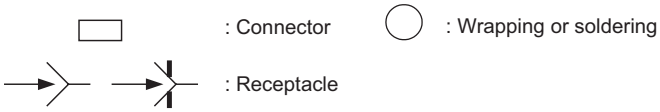
No unit	: [μH]
Others	: As specified

(4)Power Supply

∗ Respective voltage values are indicated

(5)Test point

(6)Connecting method



(7)Ground symbol

: LIVE side ground
: ISOLATED(NEUTRAL) side ground
: EARTH ground
: DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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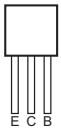
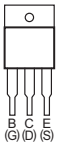
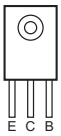
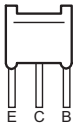
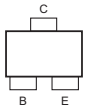
USING P.W. BOARD

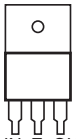
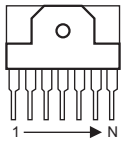
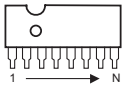
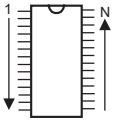
P.W.B ASS'Y name	AV-48P776/H	AV-48P786/H	AV-56P776/H	AV-56P786/H
MAIN P.W. BOARD	SSR-1010A-M2	←	SSR-1012A-M2	←
DEF & CONVERGENCE OUT P.W. BOARD	SSR-2010A-M2	←	←	←
R CRT SOCKET P.W. BOARD	SSR-3101A-M2	←	←	←
G CRT SOCKET P.W. BOARD	SSR-3201A-M2	←	←	←
B CRT SOCKET P.W. BOARD	SSR-3301A-M2	←	←	←
VM P.W. BOARD	SSR-7201A-M2	←	←	←
REMOTE SENSOR P.W. BOARD	SSR-8001A-M2	←	←	←
SD CARD P.W. BOARD	SSR-8501A-M2	←	←	←
POWER P.W. BOARD	SSR-9001A-M2	←	←	←
DIGITAL SIGNAL P.W. BOARD	SSR0D010A-M2	←	SSR0D011A-M2	←
FRONT CONTROL P.W. BOARD	SSR0L010A-M2	←	←	←
DIGITAL CONVERGENCE MODULE P.W. BOARD	SSR0K010A-M2	←	SSR0K011A-M2	←

SEMICONDUCTOR SHAPES

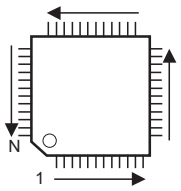
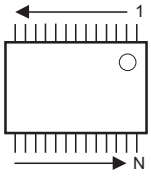
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

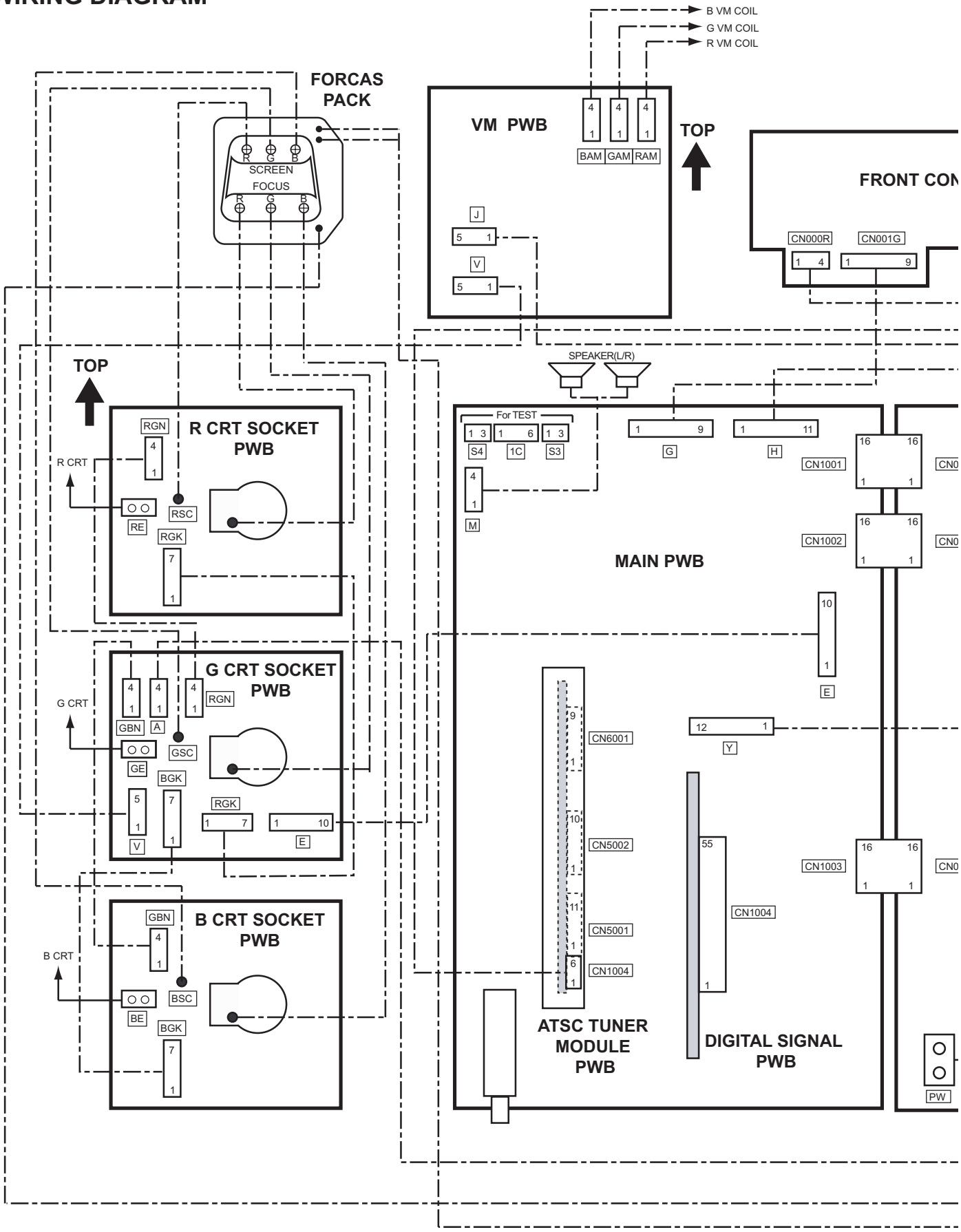
IC

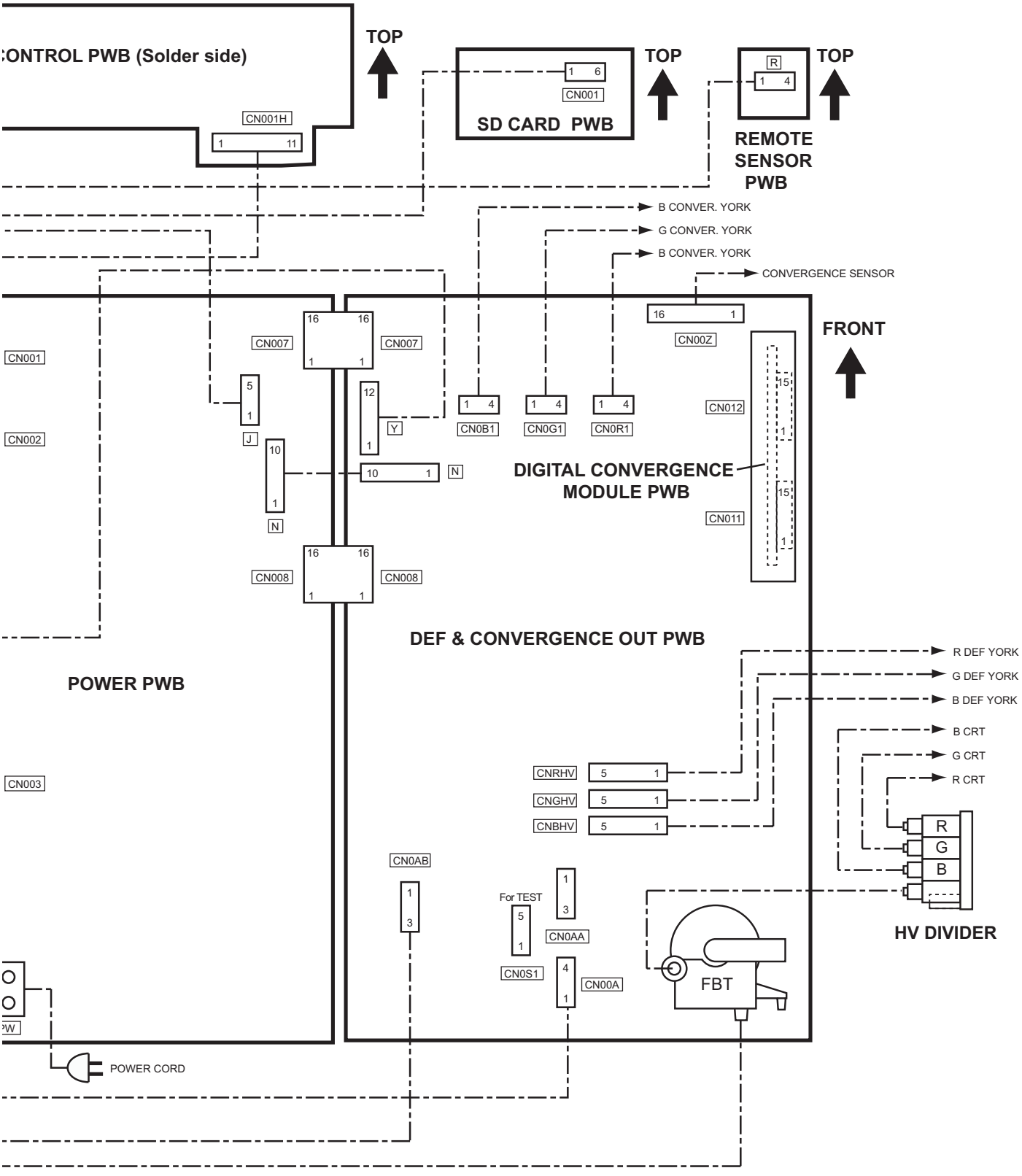
BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC

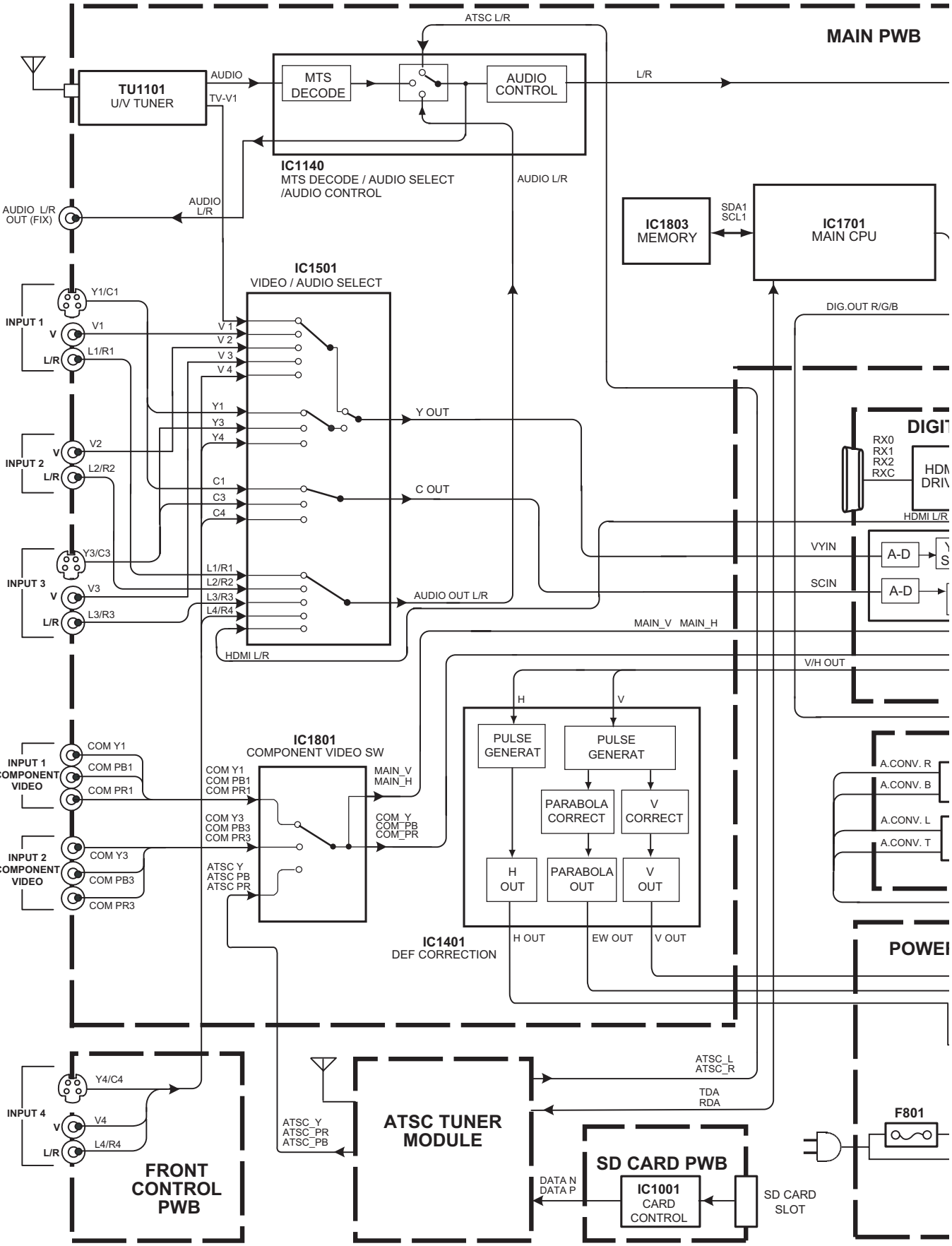
TOP VIEW		
		

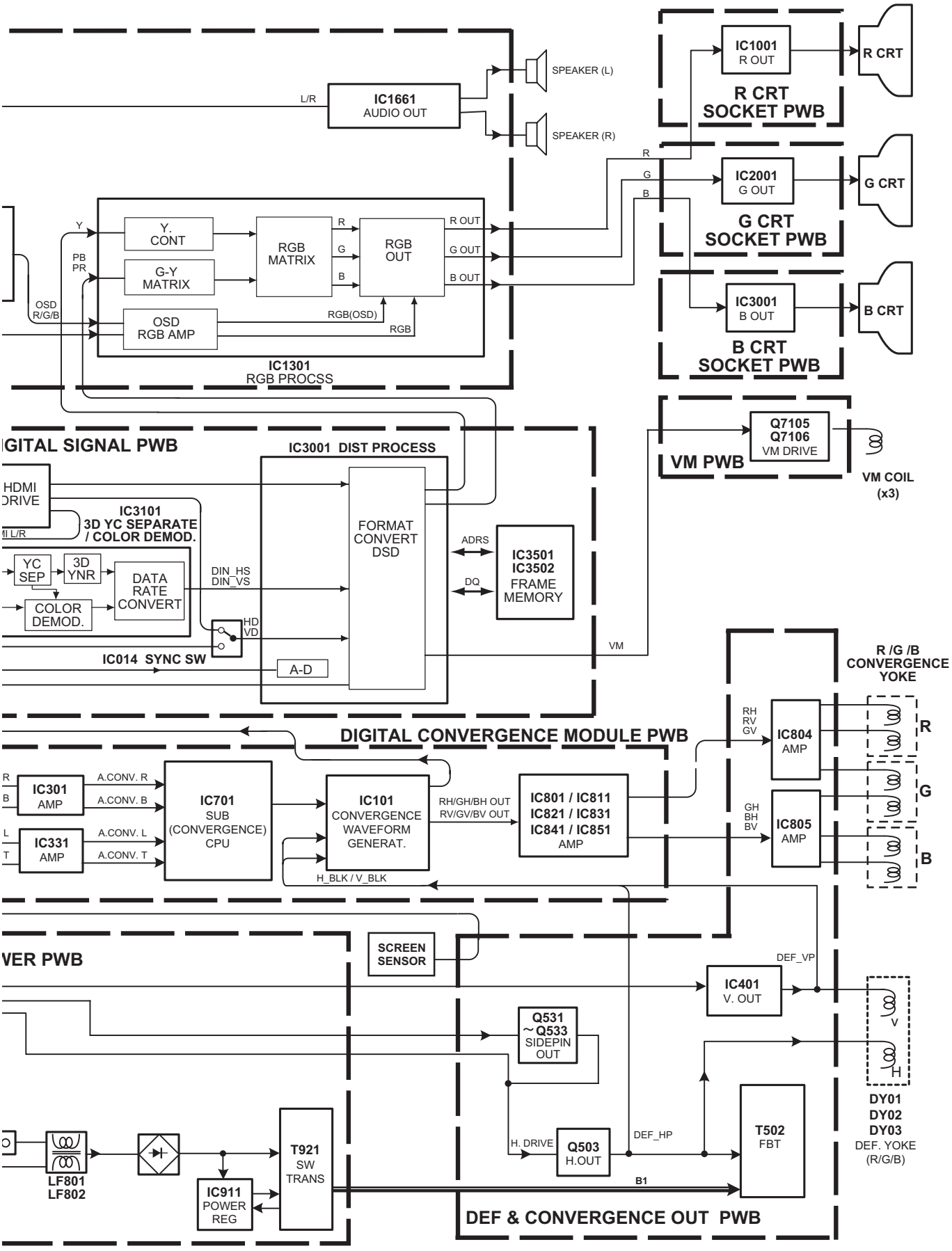
WIRING DIAGRAM




CONTROL PWB (Solder side)
TOP
CN001H
1 11
SD CARD PWB
CN001
1 6
TOP
R
1 4
TOP
REMOTE SENSOR PWB
B CONVER. YORK
G CONVER. YORK
B CONVER. YORK
CONVERGENCE SENSOR
FRONT
CN00Z
16 1
CN007
16 16
1 1
CN007
CN001
CN002
5 1
J
12 1
Y
1 4
CN0B1
1 4
CN0G1
1 4
CN0R1
CN012
15
1
10 1
N
DIGITAL CONVERGENCE MODULE PWB
CN011
15
1
10 1
N
CN008
16 16
1 1
CN008
DEF & CONVERGENCE OUT PWB
POWER PWB
R DEF YORK
G DEF YORK
B DEF YORK
B CRT
G CRT
R CRT
CN003
CNRHV 5 1
CNGHV 5 1
CNBHV 5 1
R
G
B
HV DIVER
CN0AB
1 3
For TEST
5 1
CN0S1
1 3
CN0AA
4 1
CN00A
FBT
POWER CORD

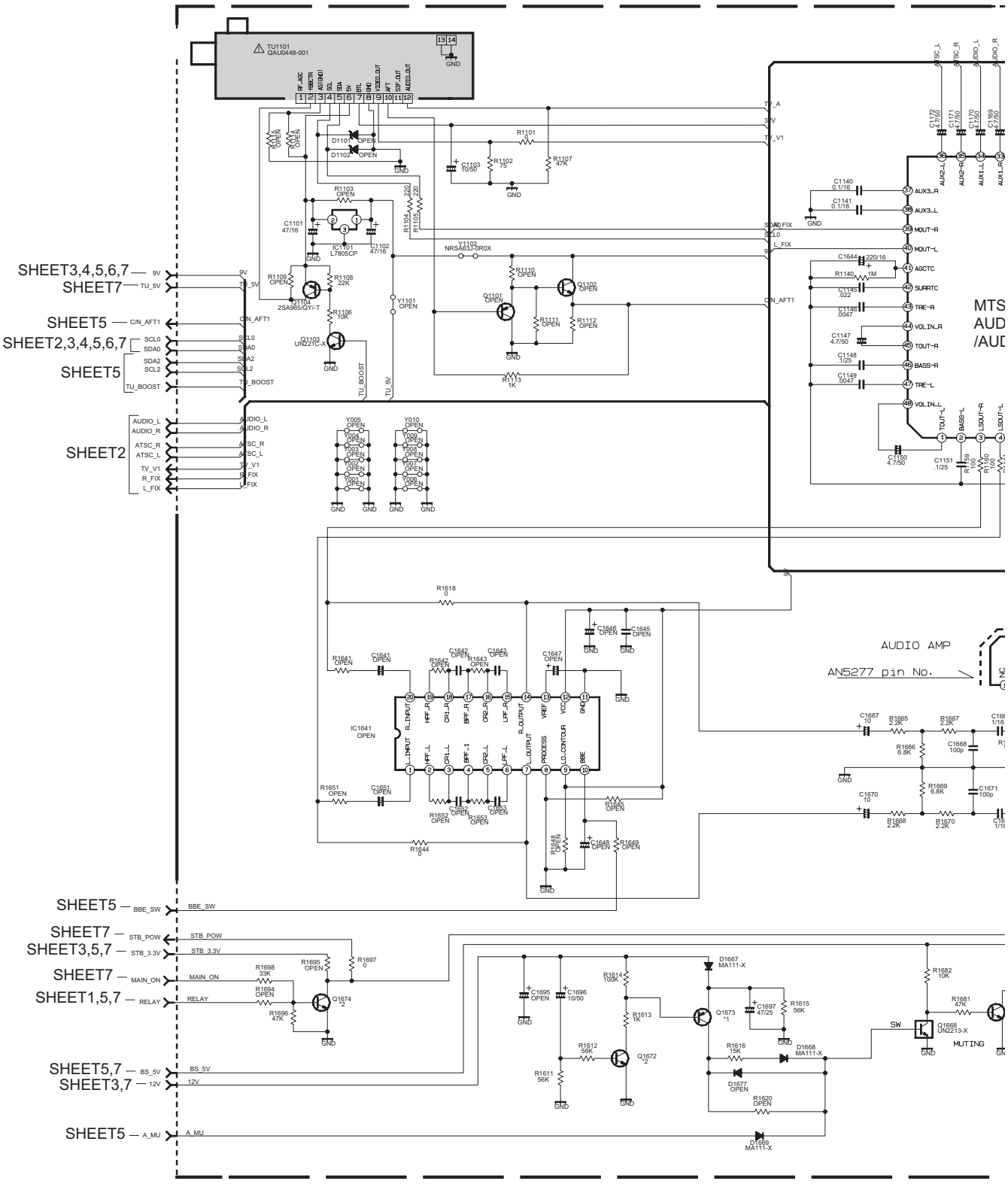
BLOCK DIAGRAM




SPEAKER (L)
SPEAKER (R)
L/R
IC1661
AUDIO OUT
IC1001
R OUT
R CRT
R CRT
SOCKET PWB
IC2001
G OUT
G CRT
G CRT
SOCKET PWB
IC3001
B OUT
B CRT
B CRT
SOCKET PWB
R
G
B
Y
PB
PR
Y.
CONT
G-Y
MATRIX
RGB
MATRIX
RGB
OUT
R OUT
G OUT
B OUT
OSD
R/G/B
OSD
RGB AMP
RGB(OSD)
RGB
IC1301
RGB PROCSS
VM PWB
Q7105
Q7106
VM DRIVE
VM COIL
(x3)
IGITAL SIGNAL PWB
IC3001 DIST PROCESS
HDMI
DRIVE
IC3101
3D YC SEPARATE
/ COLOR DEMOD.
YC
SEP
3D
YNR
COLOR
DEMOD.
DATA
RATE
CONVERT
DIN_HS
DIN_VS
HD
VD
IC014 SYNC SW
A-D
FORMAT
CONVERT
DSD
ADRS
DQ
IC3501
IC3502
FRAME
MEMORY
VM
R /G /B
CONVERGENCE
YOKE
DIGITAL CONVERGENCE MODULE PWB
IC301
AMP
A.CONV. R
A.CONV. B
IC331
AMP
A.CONV. L
A.CONV. T
IC701
SUB
(CONVERGENCE)
CPU
IC101
CONVERGENCE
WAVEFORM
GENERAT.
H_BLK / V_BLK
RH/GH/BH OUT
RV/GV/BV OUT
IC801 / IC811
IC821 / IC831
IC841 / IC851
AMP
RH
RV
GV
IC804
AMP
GH
BH
BV
IC805
AMP
R
G
B
VER PWB
SCREEN
SENSOR
DEF_VP
IC401
V. OUT
Q531
~Q533
SIDEPIN
OUT
V
H
DY01
DY02
DY03
DEF. YOKE
(R/G/B)
H. DRIVE
Q503
H.OUT
DEF_HP
T502
FBT
B1
LF801
LF802
IC911
POWER
REG
T921
SW
TRANS
DEF & CONVERGENCE OUT PWB

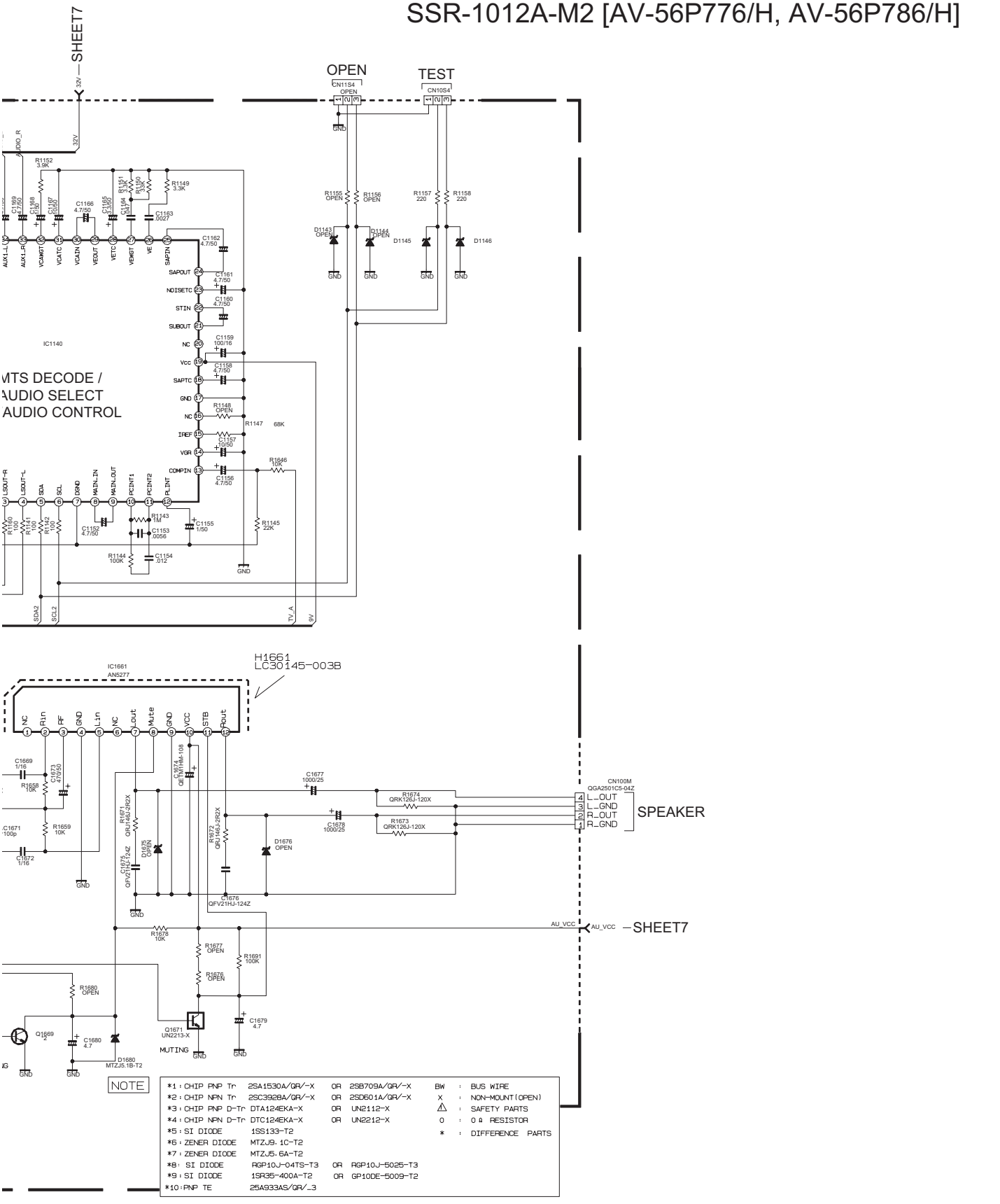
CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM (1/7) SHEET 1

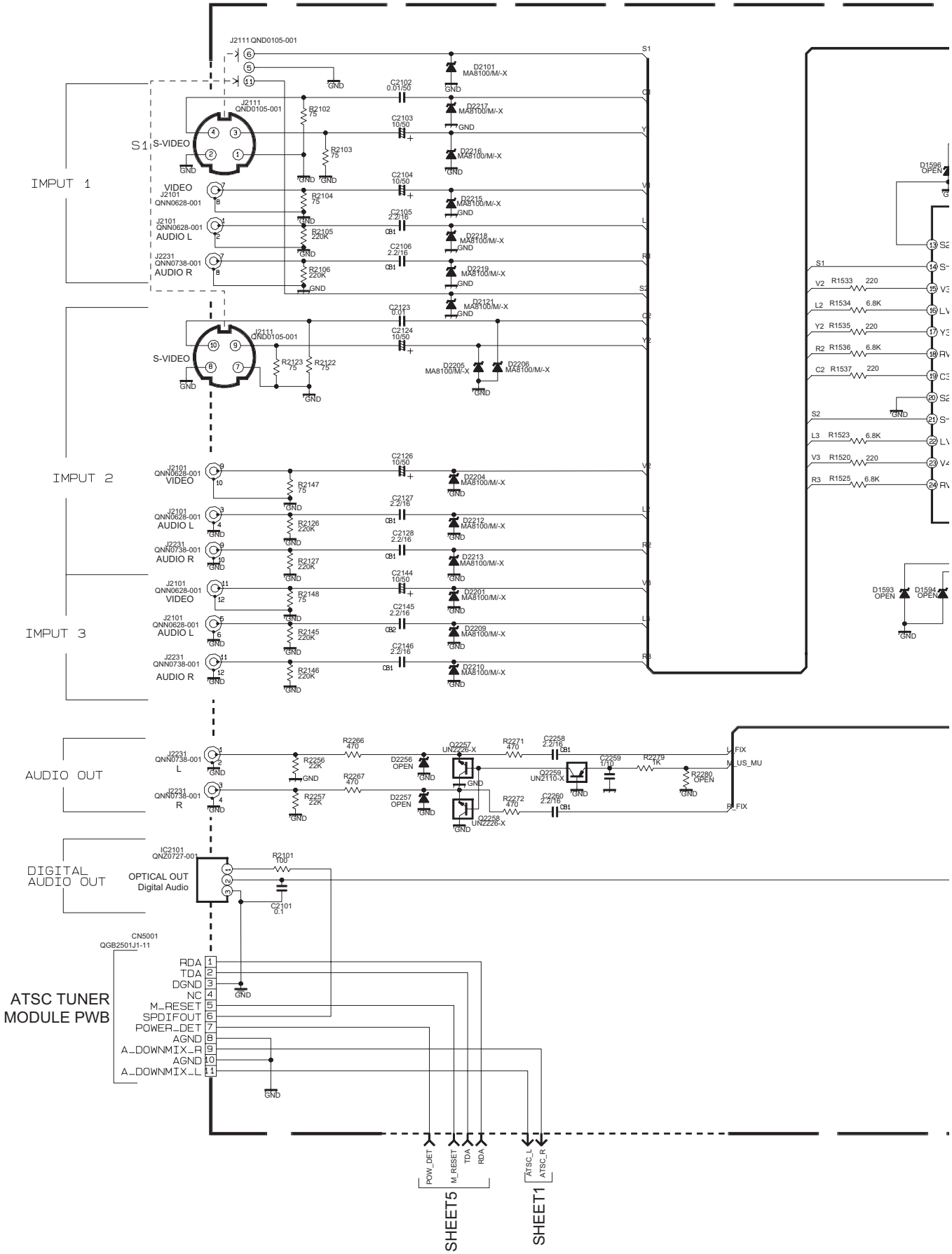


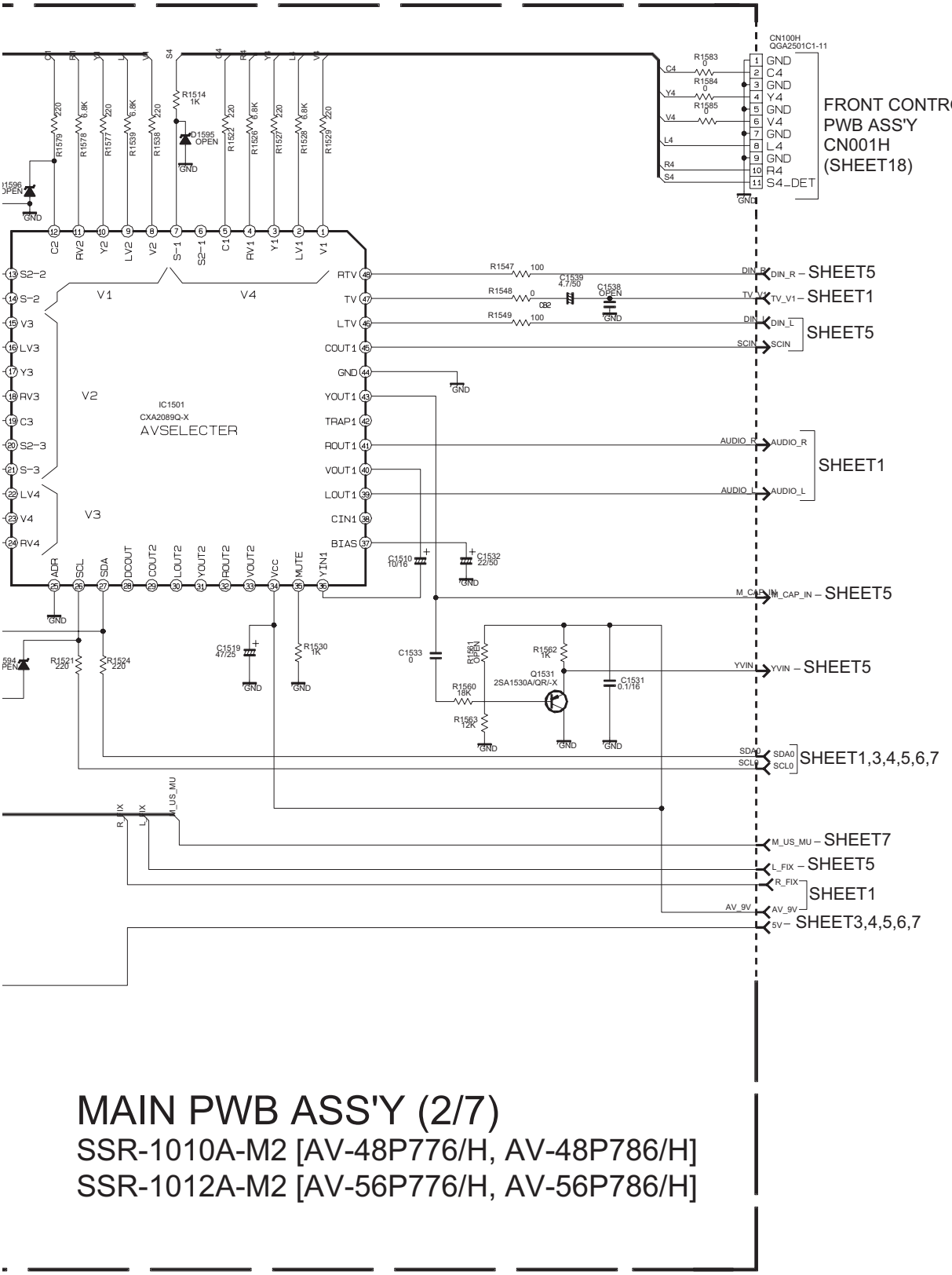
MAIN PWB ASS'Y (1/7)

SSR-1010A-M2 [AV-48P776/H, AV-48P786/H]
SSR-1012A-M2 [AV-56P776/H, AV-56P786/H]



MAIN PWB CIRCUIT DIAGRAM (2/7) SHEET 2



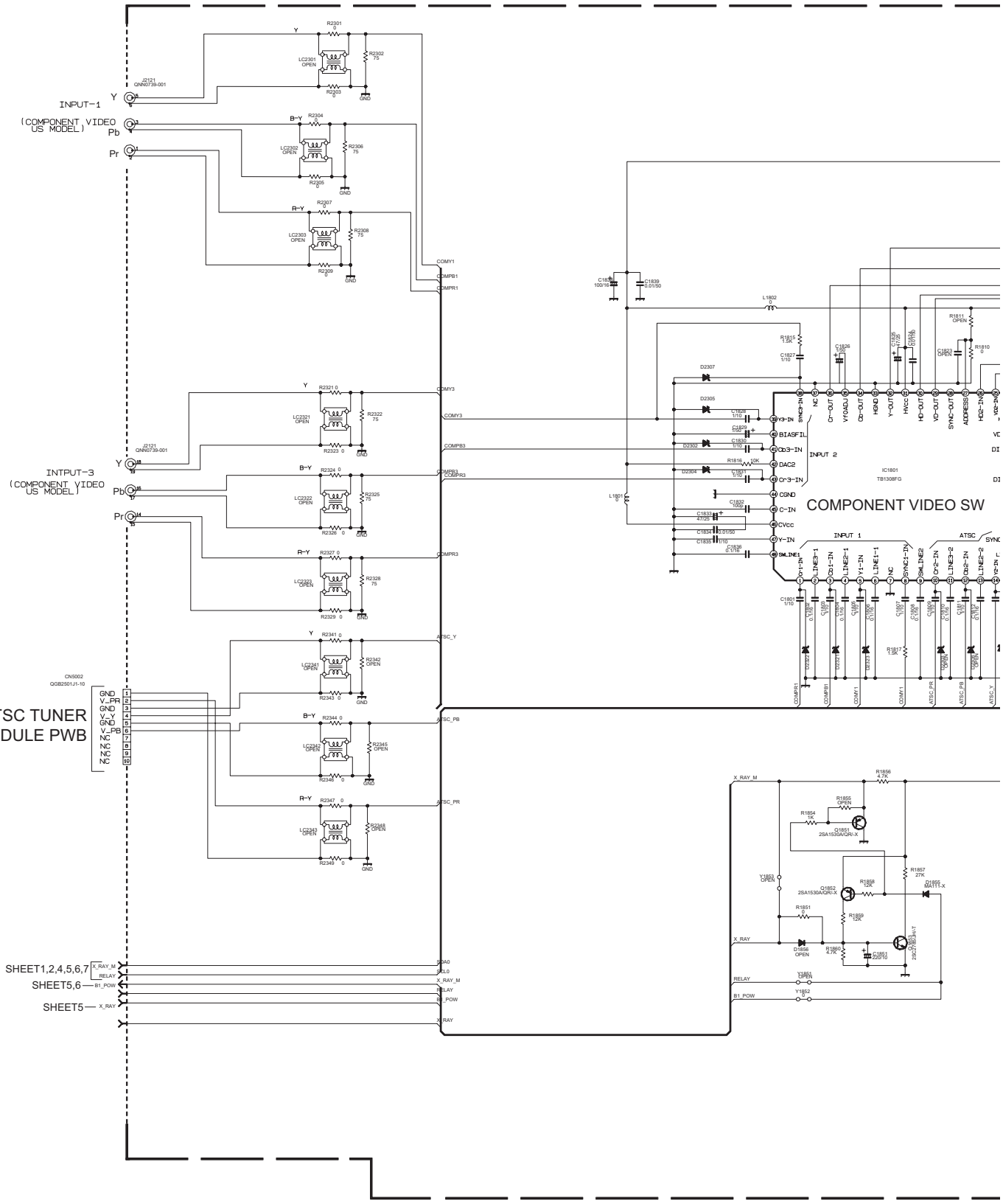


MAIN PWB ASS'Y (2/7)

SSR-1010A-M2 [AV-48P776/H, AV-48P786/H]

SSR-1012A-M2 [AV-56P776/H, AV-56P786/H]

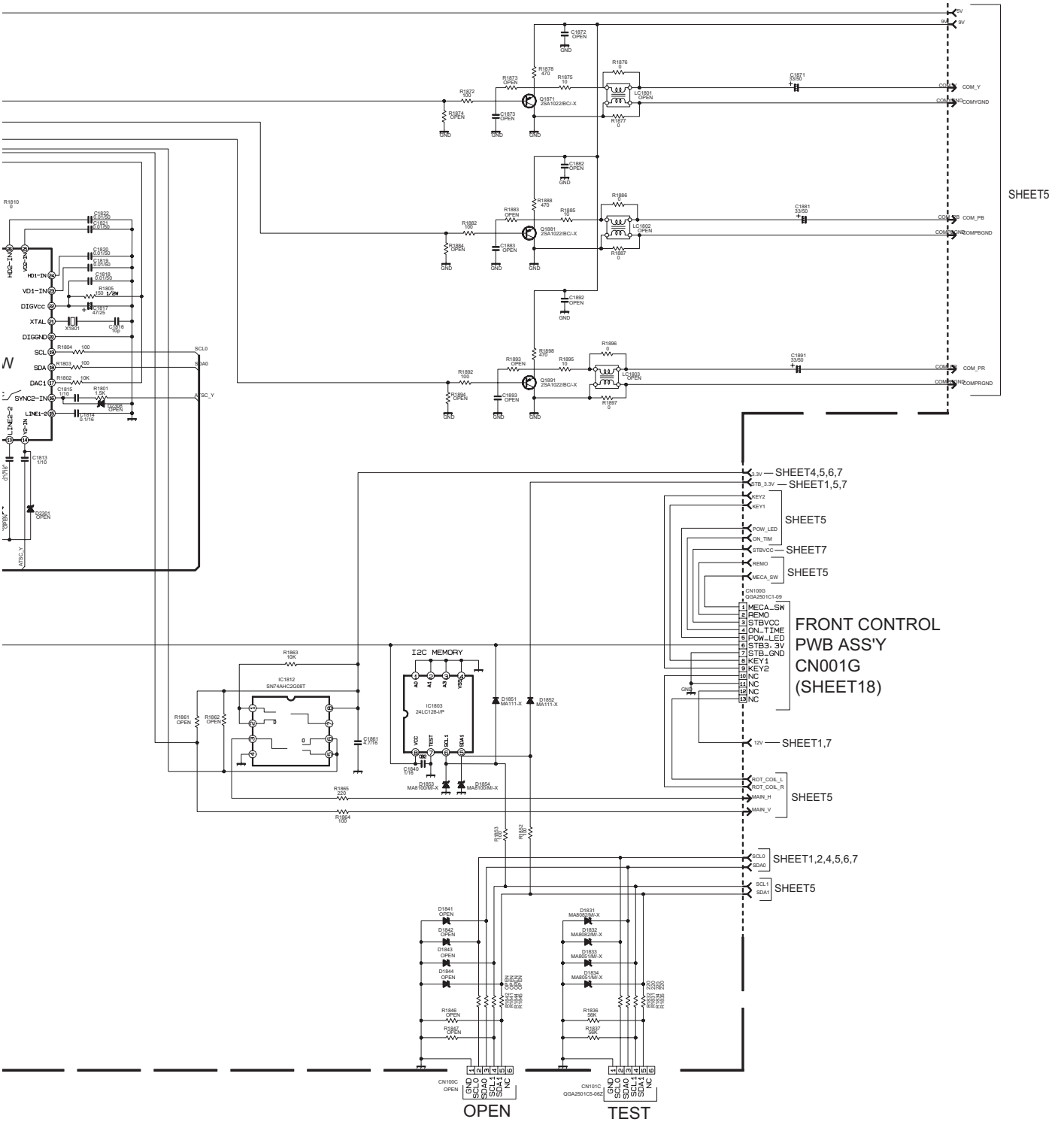
MAIN PWB CIRCUIT DIAGRAM (3/7) SHEET 3



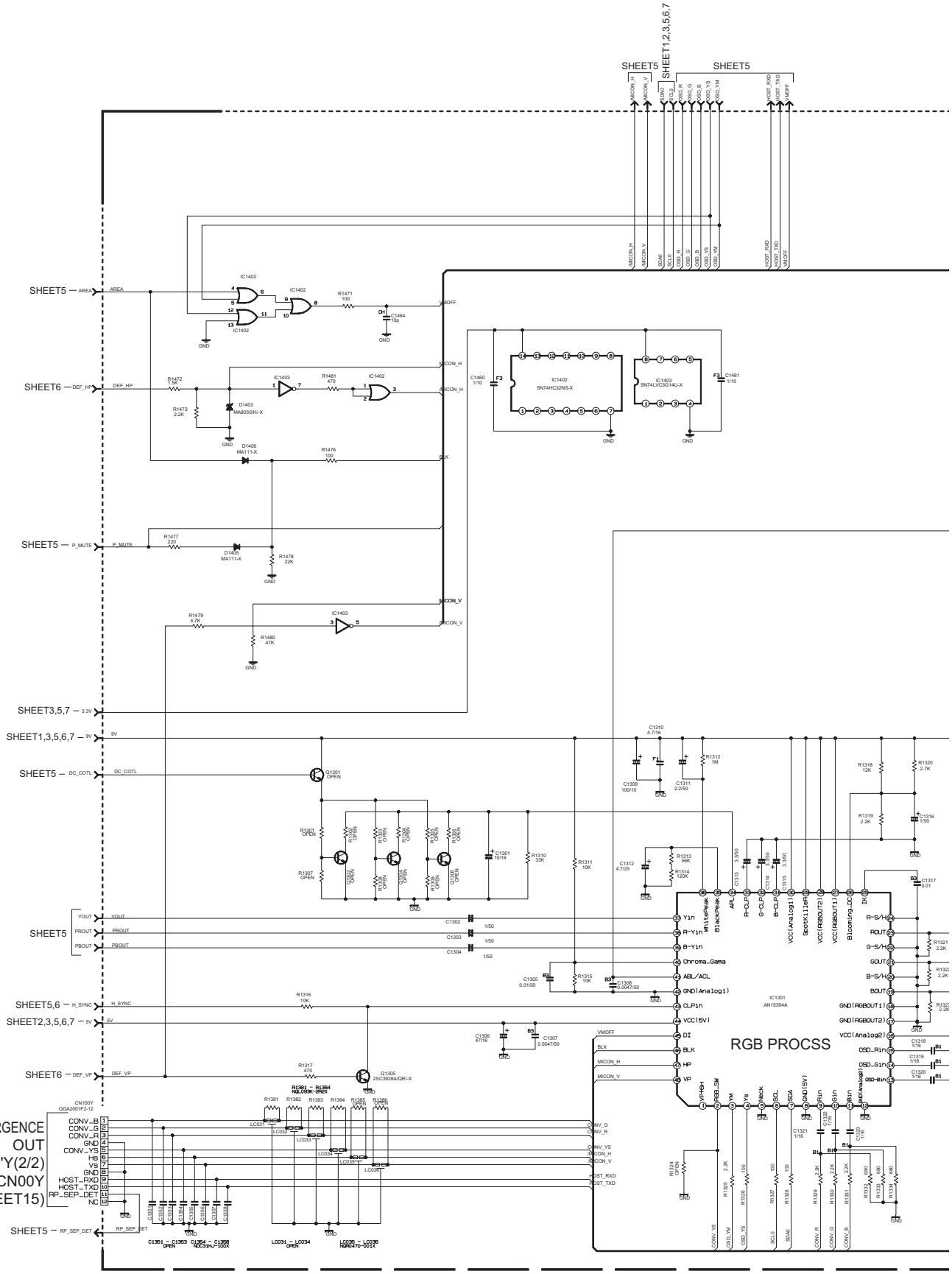
NOTE : Refer to the part list for the part number of IC1803.

MAIN PWB ASS'Y (3/7)

SSR-1010A-M2 [AV-48P776/H, AV-48P786/H]
SSR-1012A-M2 [AV-56P776/H, AV-56P786/H]

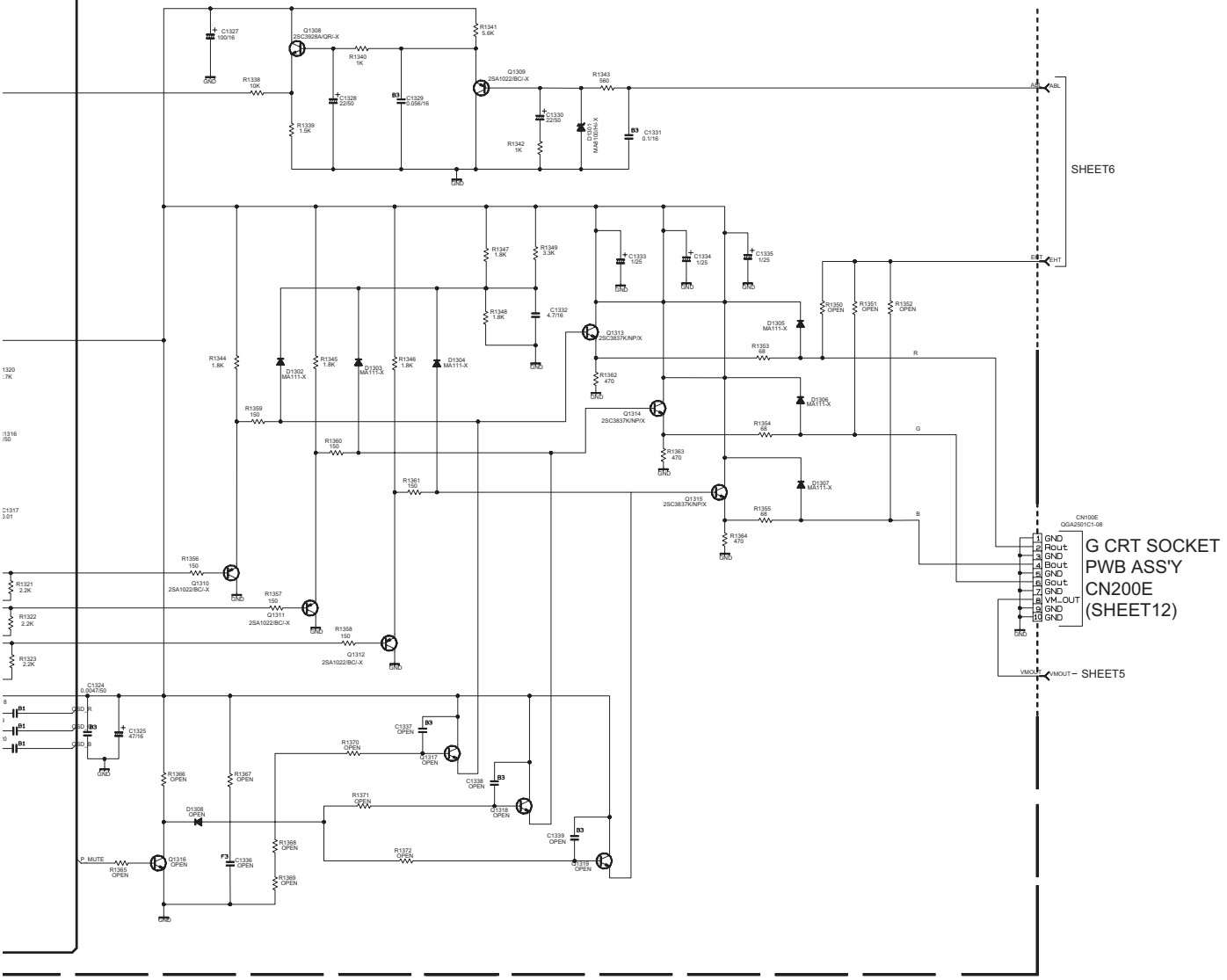


MAIN PWB CIRCUIT DIAGRAM (4/7) SHEET 4



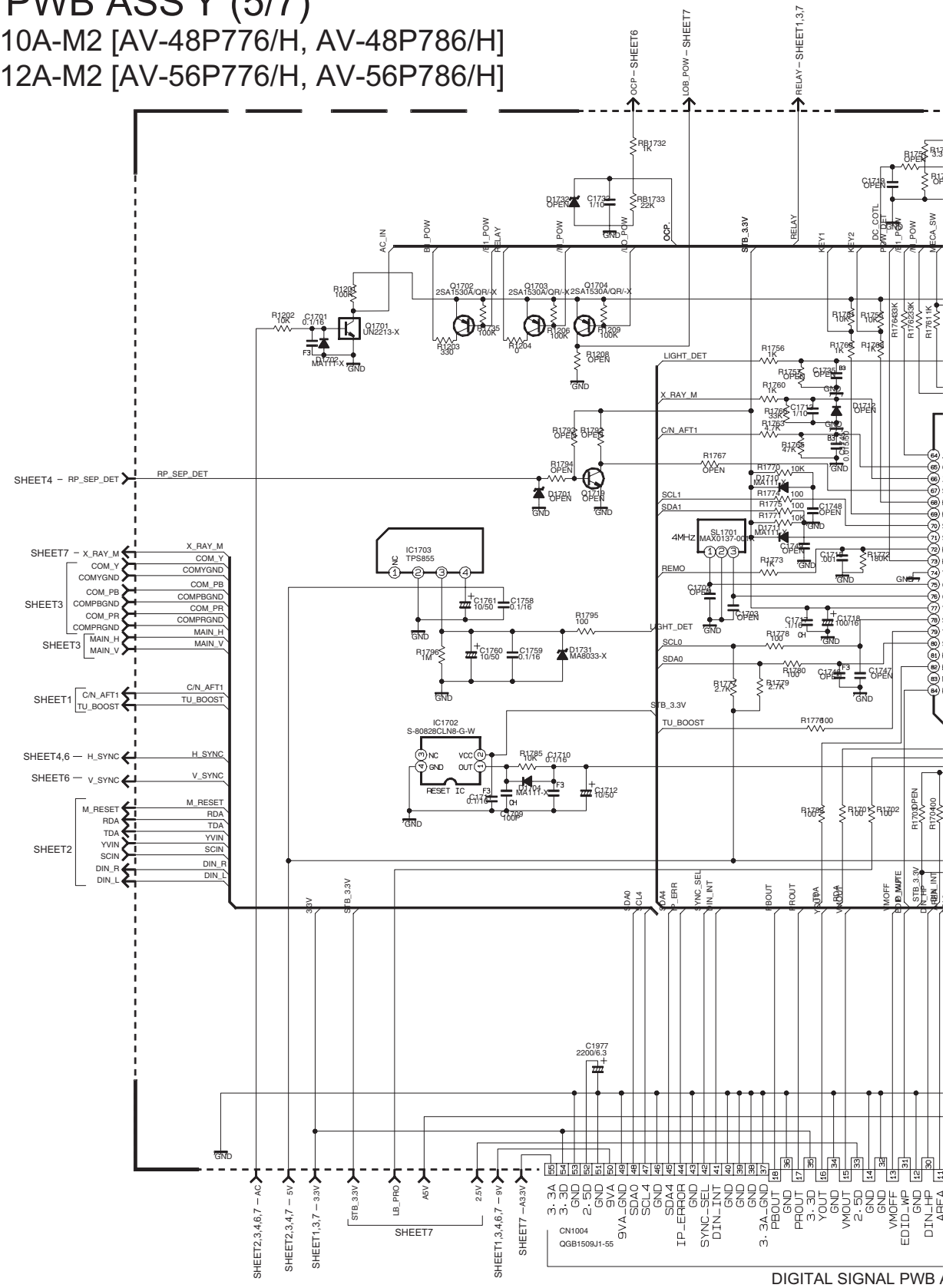
MAIN PWB ASS'Y (4/7)

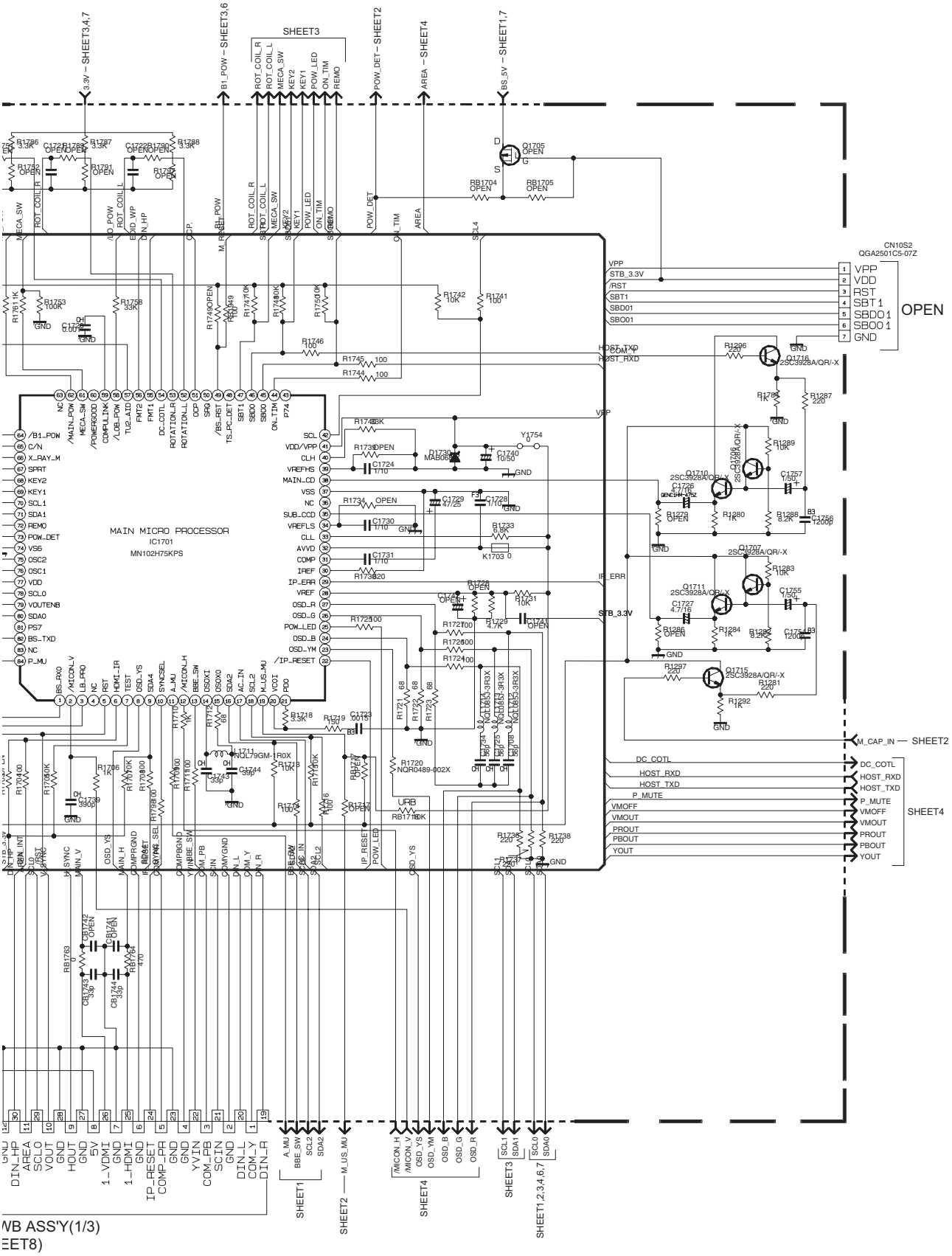
SSR-1010A-M2 [AV-48P776/H, AV-48P786/H]
SSR-1012A-M2 [AV-56P776/H, AV-56P786/H]



MAIN PWB ASS'Y (5/7)

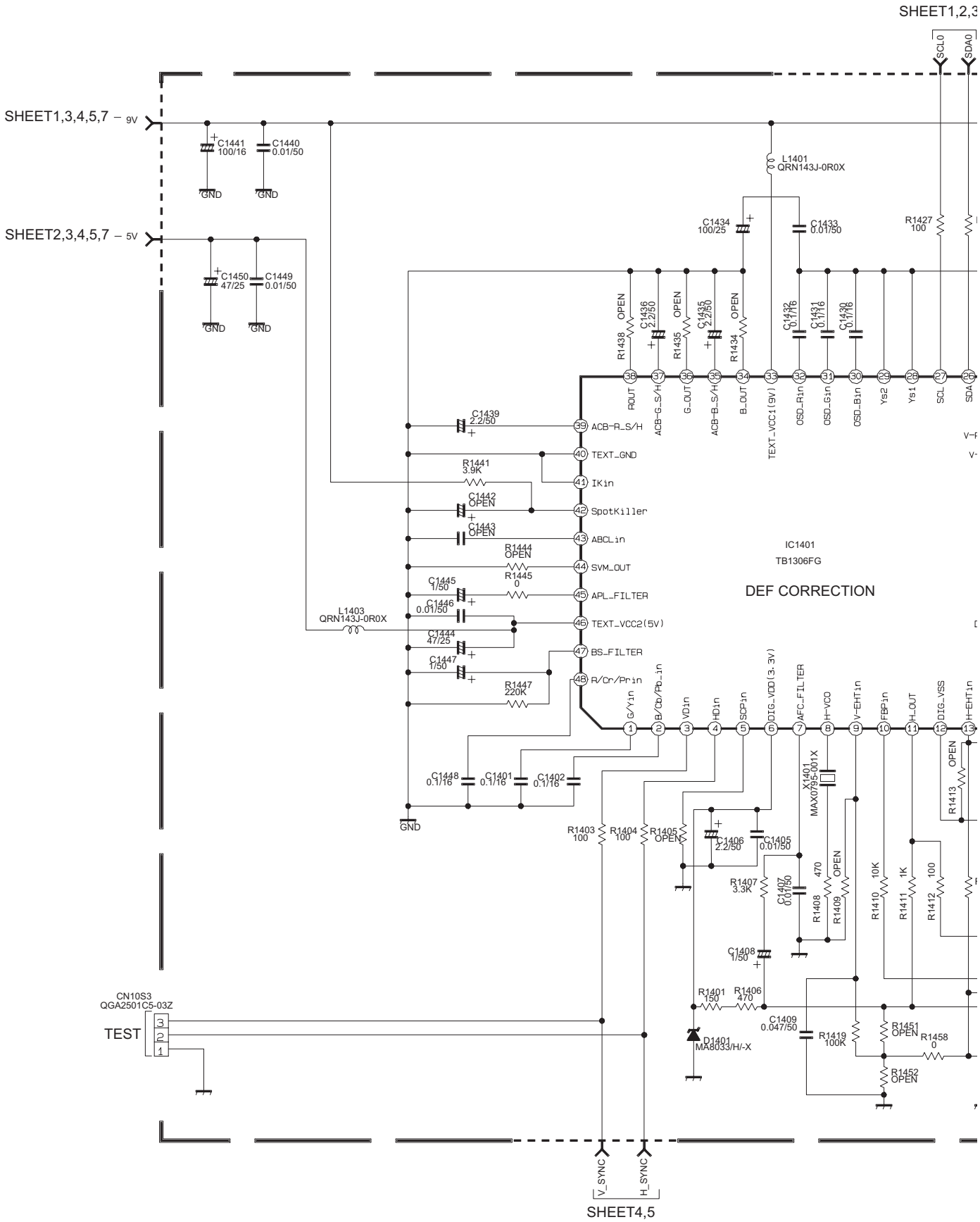
SSR-1010A-M2 [AV-48P776/H, AV-48P786/H]
SSR-1012A-M2 [AV-56P776/H, AV-56P786/H]

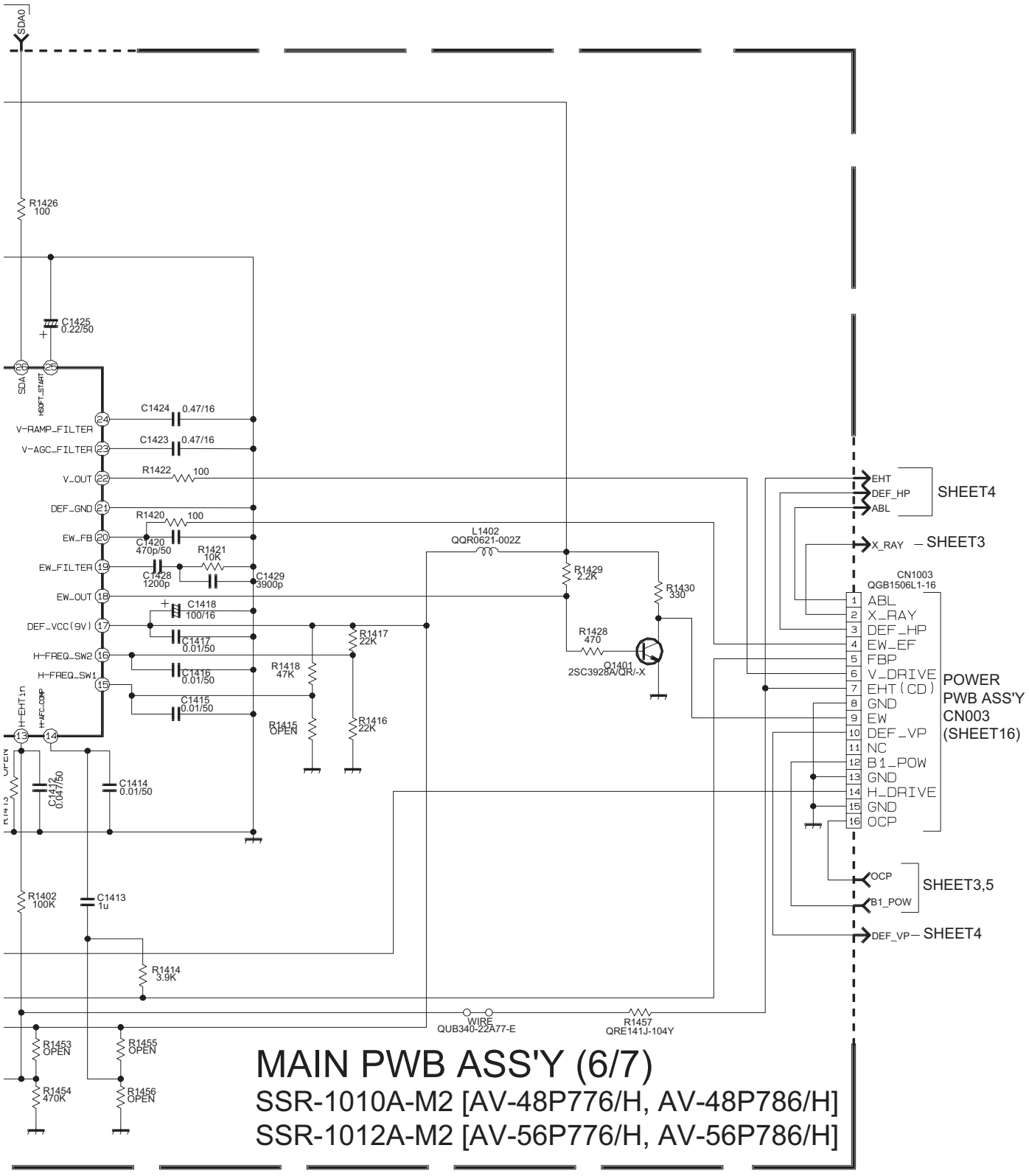




NB ASS'Y(1/3)
EET8)

MAIN PWB CIRCUIT DIAGRAM (6/7) SHEET 6

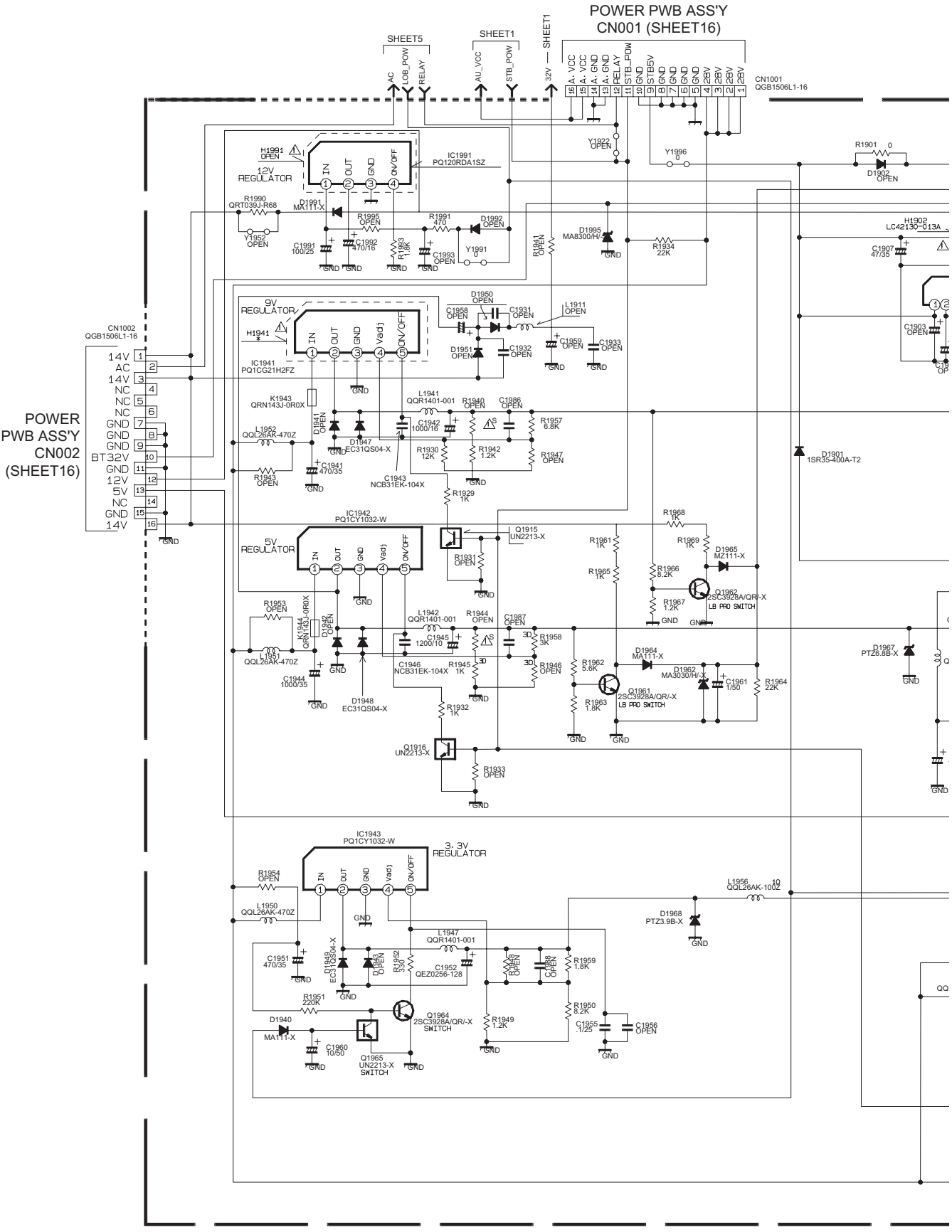




MAIN PWB ASS'Y (6/7)

SSR-1010A-M2 [AV-48P776/H, AV-48P786/H]

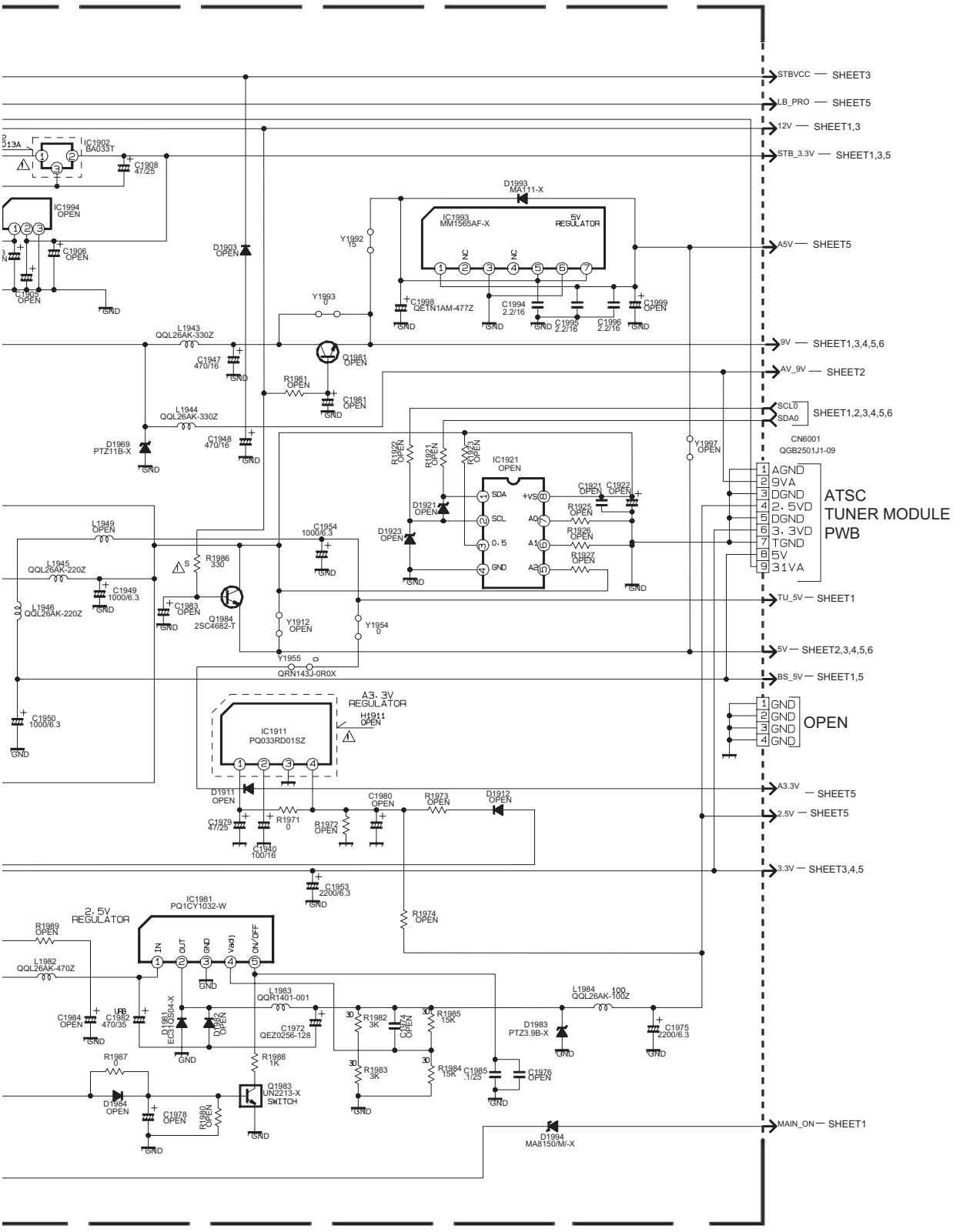
SSR-1012A-M2 [AV-56P776/H, AV-56P786/H]

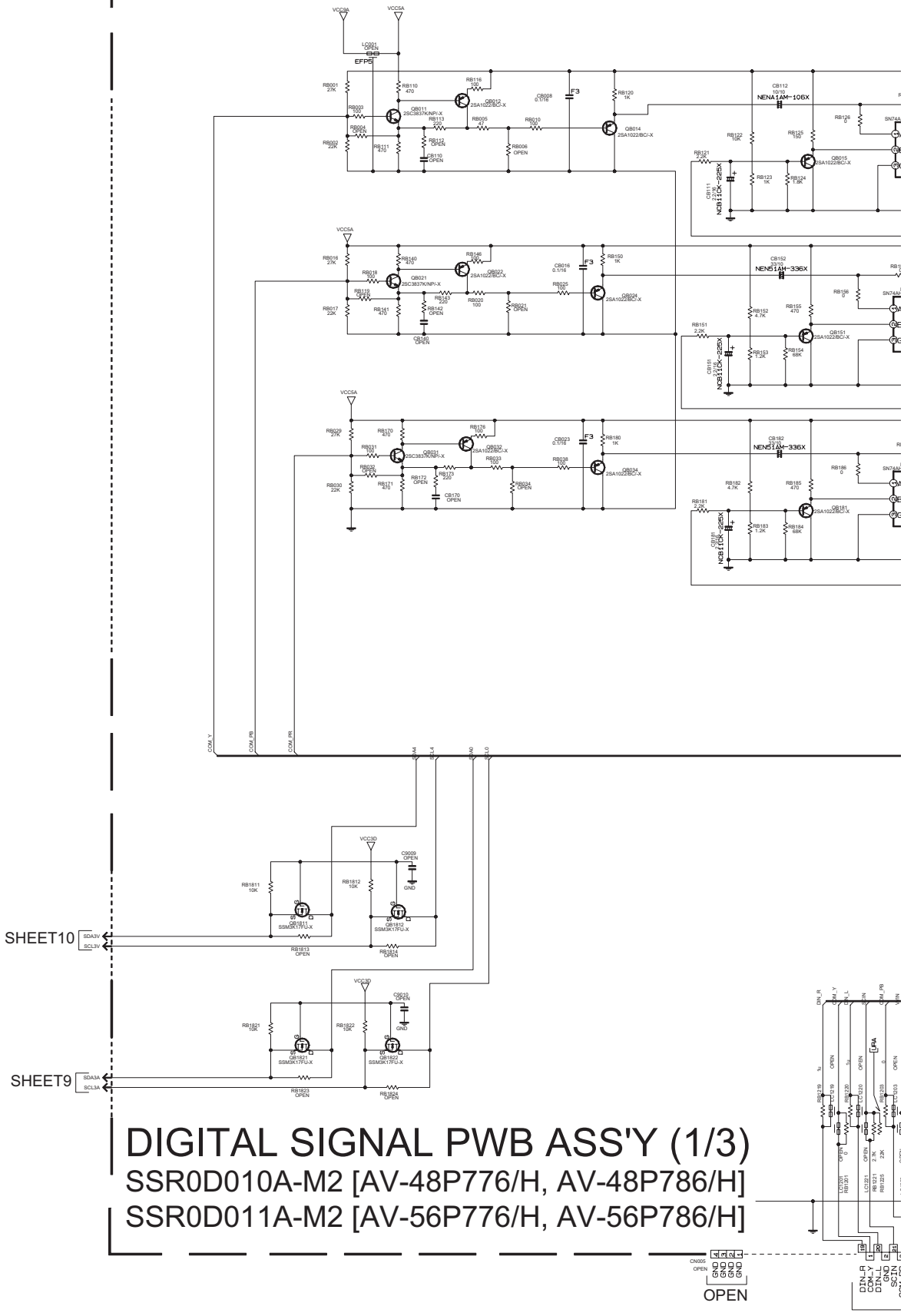

POWER PWB ASS'Y
CN001 (SHEET16)
SHEET5
SHEET1
SHEET1
CN1001
QGB1506L1-16
CN1002
QGB1506L1-16
POWER
PWB ASS'Y
CN002
(SHEET16)
12V
REGULATOR
IC1991
PQ120RDA1SZ
9V
REGULATOR
IC1941
PQ1CG21H2FZ
5V
REGULATOR
IC1942
PQ1CY1032-W
3.3V
REGULATOR
IC1943
PQ1CY1032-W
Q1915
UN2213-X
Q1916
UN2213-X
Q1962
2SC3928A/QR/-X
LB PRO SWITCH
Q1961
2SC3928A/QR/-X
LB PRO SWITCH
Q1964
2SC3928A/QR/-X
SWITCH
Q1965
UN2213-X
SWITCH
D1901
1SR35-400A-T2
H1902
LC42130-013A
GND

MAIN PWB ASS'Y (7/7)

SSR-1010A-M2 [AV-48P776/H, AV-48P786/H]

SSR-1012A-M2 [AV-56P776/H, AV-56P786/H]

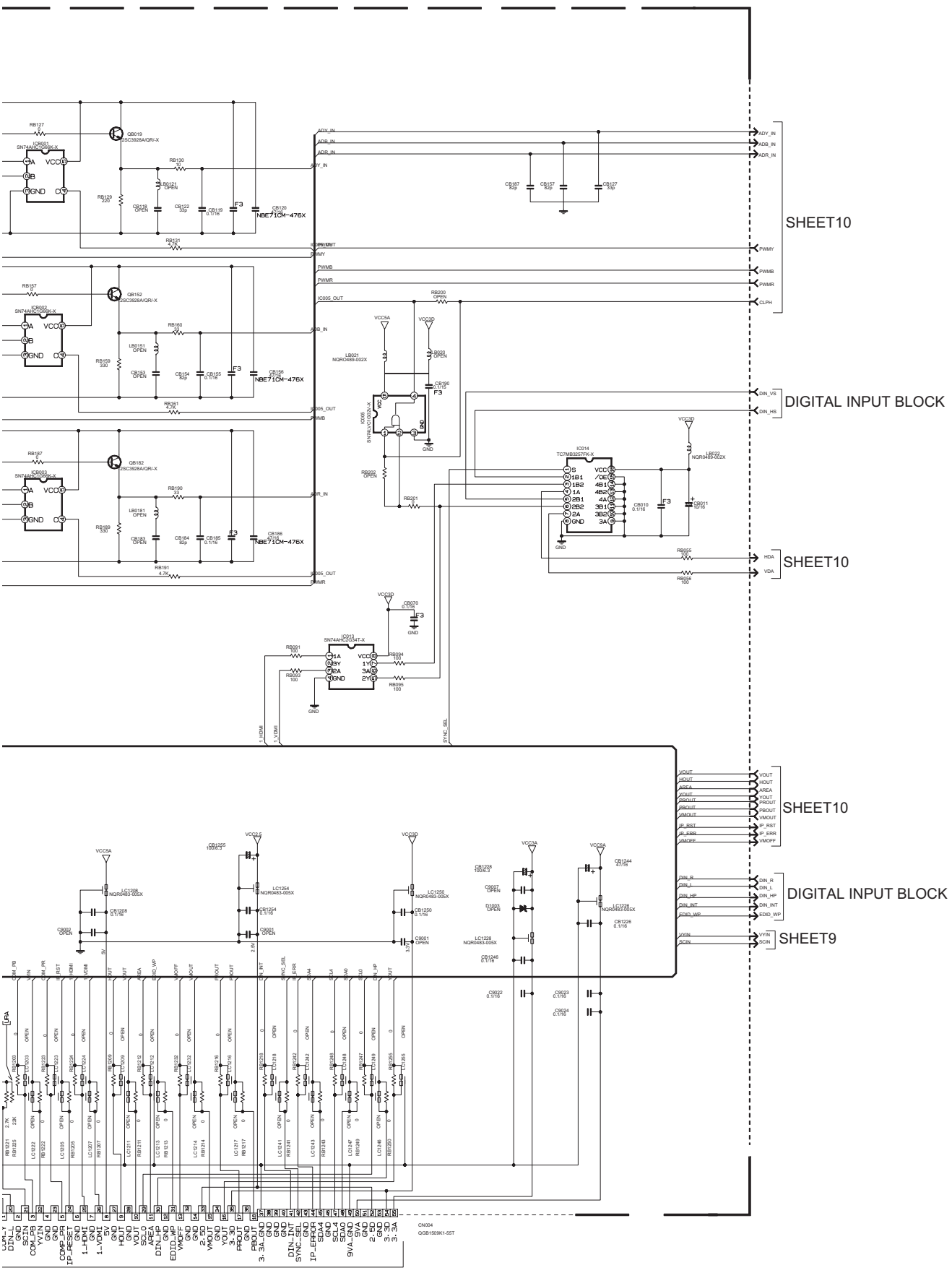


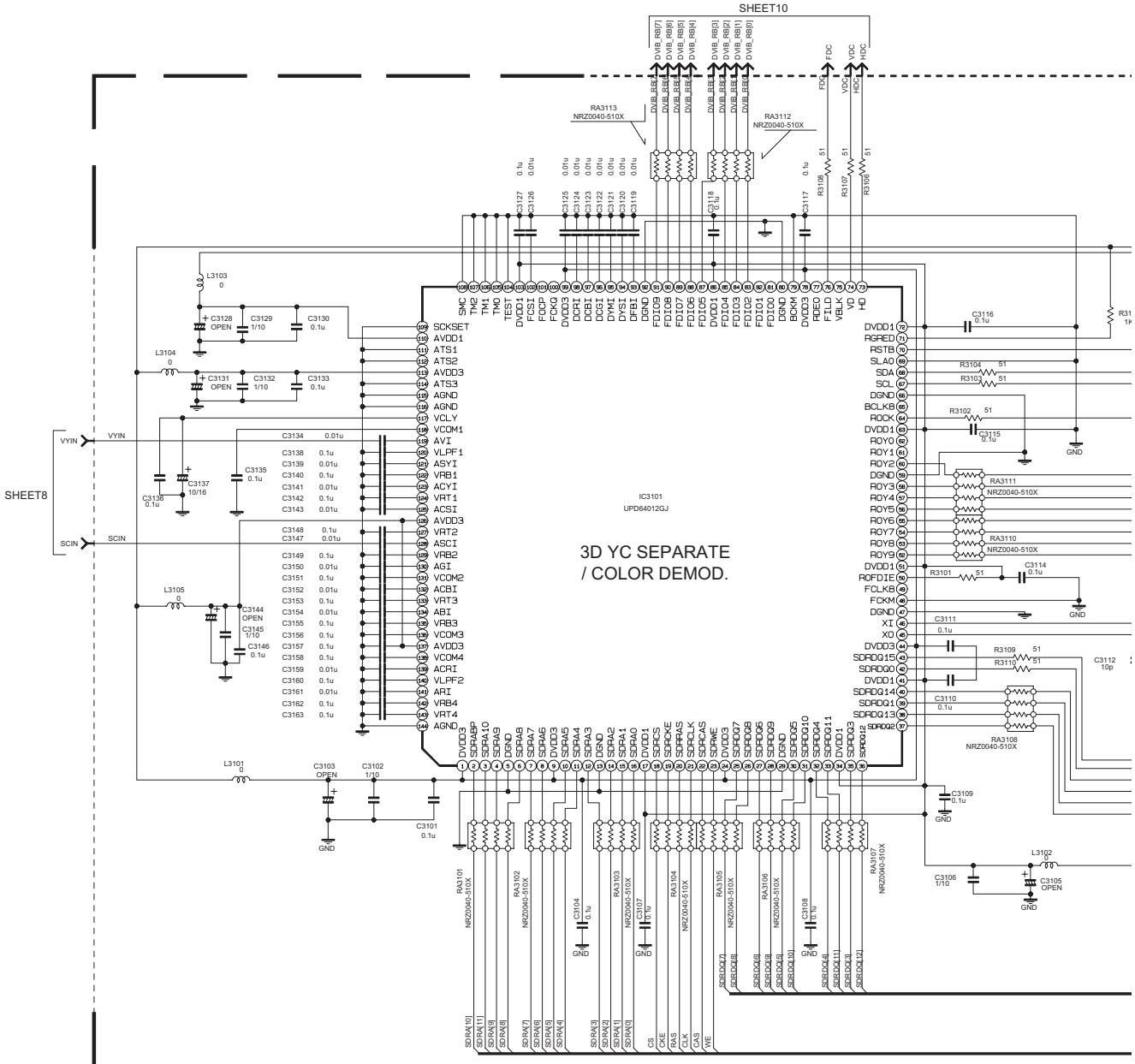


DIGITAL SIGNAL PWB ASS'Y (1/3)

SSR0D010A-M2 [AV-48P776/H, AV-48P786/H]

SSR0D011A-M2 [AV-56P776/H, AV-56P786/H]

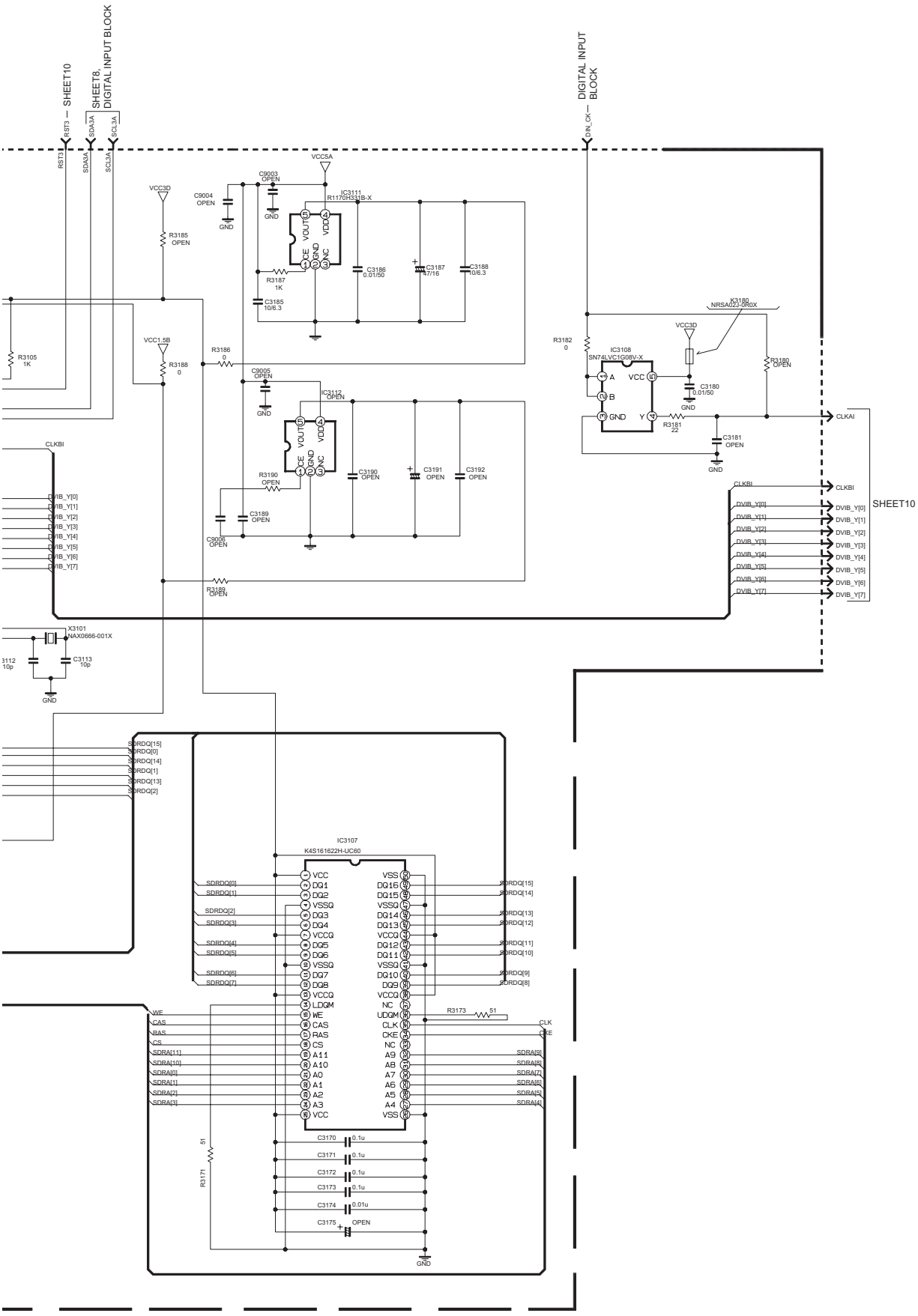

SHEET10
DIGITAL INPUT BLOCK
SHEET10
SHEET10
DIGITAL INPUT BLOCK
SHEET9
MAIN PWB ASS'Y(5/7)
CN1004 (SHEET5)

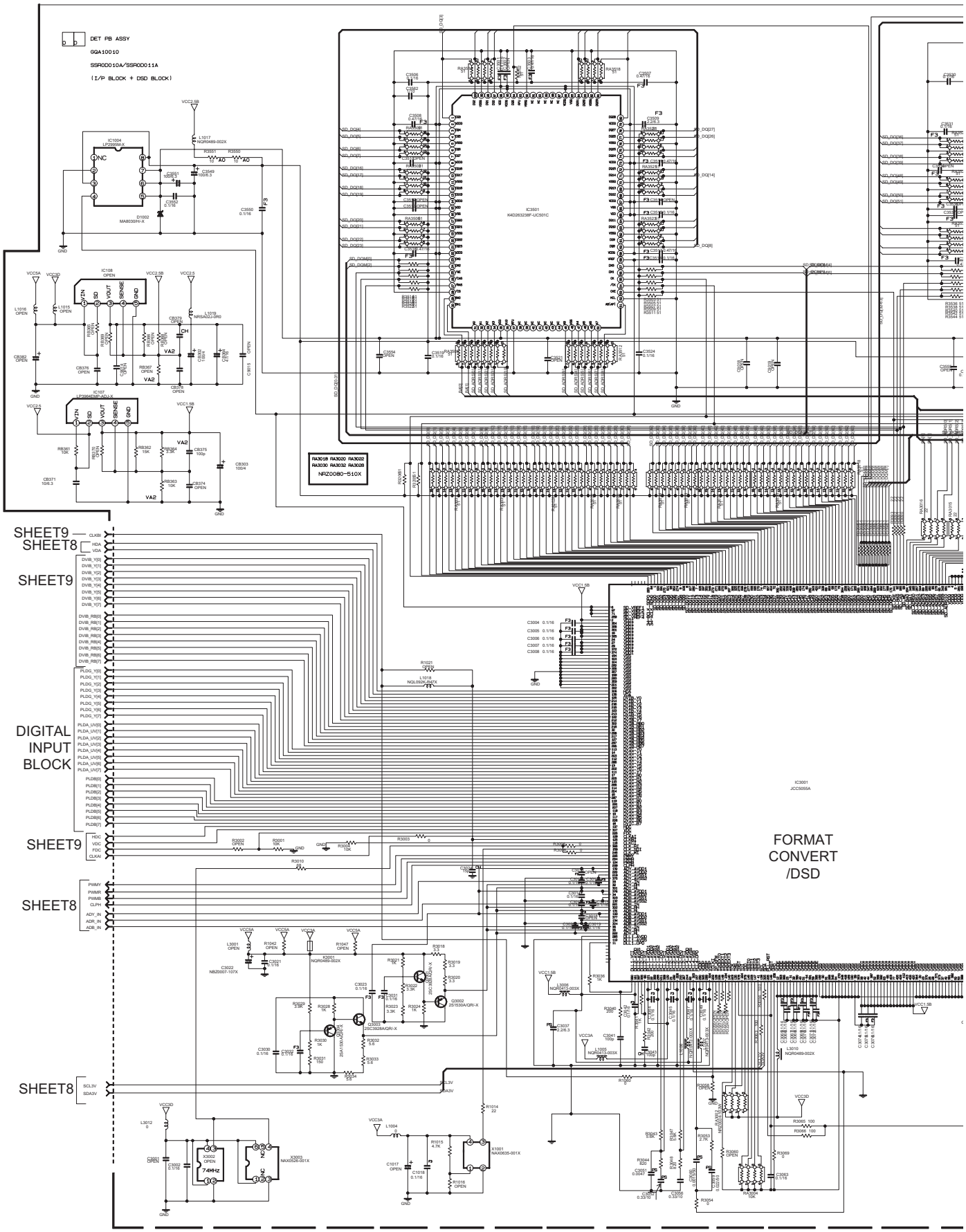


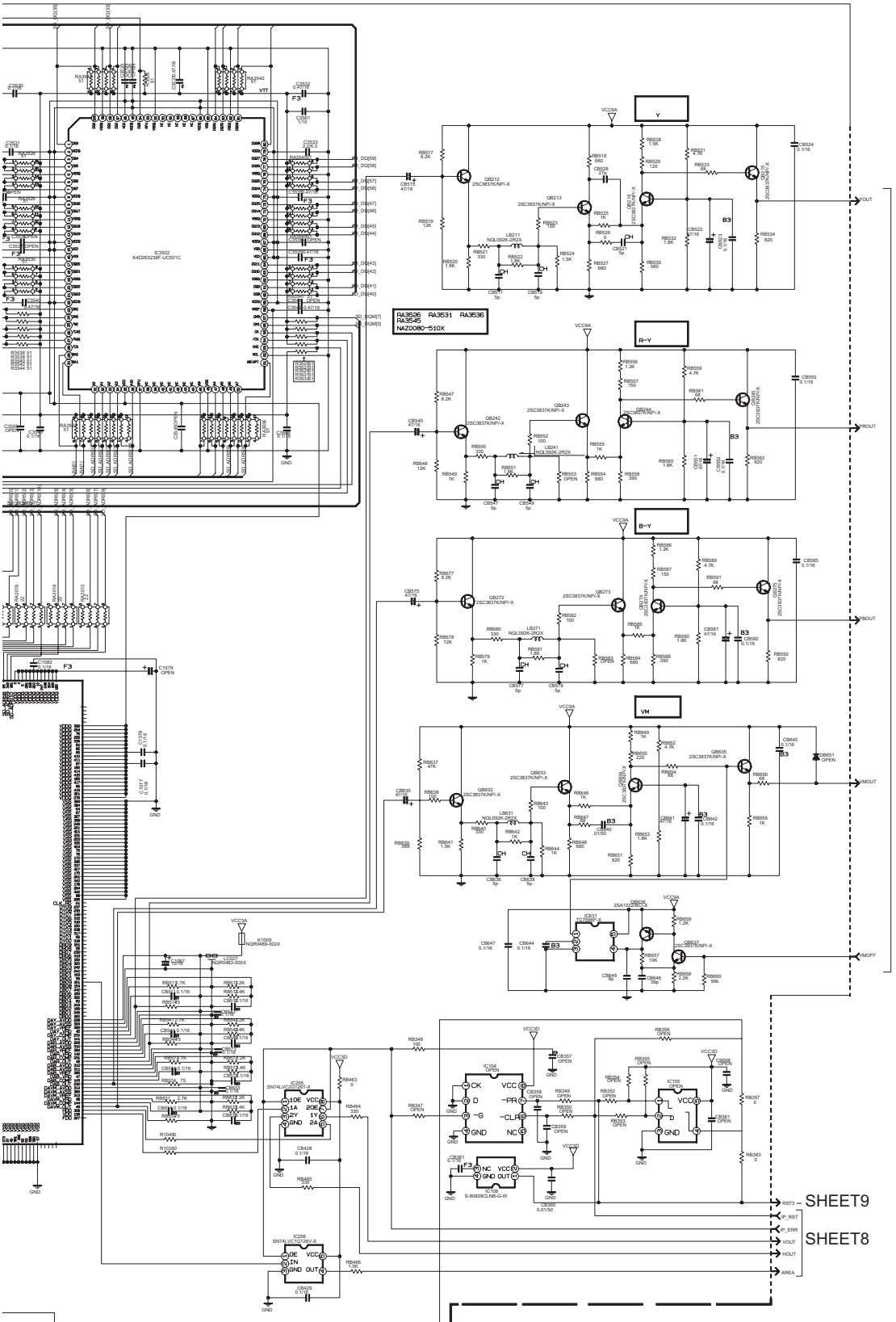
DIGITAL SIGNAL PWB ASS'Y (2/3)

SSR0D010A-M2 [AV-48P776/H, AV-48P786/H]

SSR0D011A-M2 [AV-56P776/H, AV-56P786/H]


SHEET10
SHEET8, DIGITAL INPUT BLOCK
DIGITAL INPUT BLOCK
RSTI
SDA3A
SCL3A
ON_CK
VCC5A
VCC3D
VCC1.5B
C9003 OPEN
C9004 OPEN
GND
IC3111
R1170H331B-X
R3185 OPEN
R3187 1K
C3186 0.01/50
C3187 47/16
C3188 10/6.3
C3185 10/6.3
R3105 1K
R3188 0
R3186 0
C9005 OPEN
IC3112 OPEN
R3190 OPEN
C3190 OPEN
C3191 OPEN
C3192 OPEN
C3189 OPEN
C9006 OPEN
R3189 OPEN
K3180 NRSA023-0R0X
R3182 0
IC3108
SN74LVC1G08V-X
C3180 0.01/50
R3180 OPEN
R3181 22
C3181 OPEN
CLKAI
CLKBI
DVIB_Y[0]
DVIB_Y[1]
DVIB_Y[2]
DVIB_Y[3]
DVIB_Y[4]
DVIB_Y[5]
DVIB_Y[6]
DVIB_Y[7]
SHEET10
X3101
NAX0666-001X
C3112 10p
C3113 10p
SDRDQ[15]
SDRDQ[0]
SDRDQ[14]
SDRDQ[1]
SDRDQ[13]
SDRDQ[2]
IC3107
K4S161622H-UC60
SDRDQ[3]
SDRDQ[4]
SDRDQ[5]
SDRDQ[6]
SDRDQ[7]
SDRDQ[8]
SDRDQ[9]
SDRDQ[10]
SDRDQ[11]
SDRDQ[12]
WE
CAS
RAS
CS
SDRA[11]
SDRA[10]
SDRA[0]
SDRA[1]
SDRA[2]
SDRA[3]
SDRA[9]
SDRA[8]
SDRA[7]
SDRA[6]
SDRA[5]
SDRA[4]
R3173 51
CLK
CKE
R3171 51
C3170 0.1u
C3171 0.1u
C3172 0.1u
C3173 0.1u
C3174 0.01u
C3175 OPEN

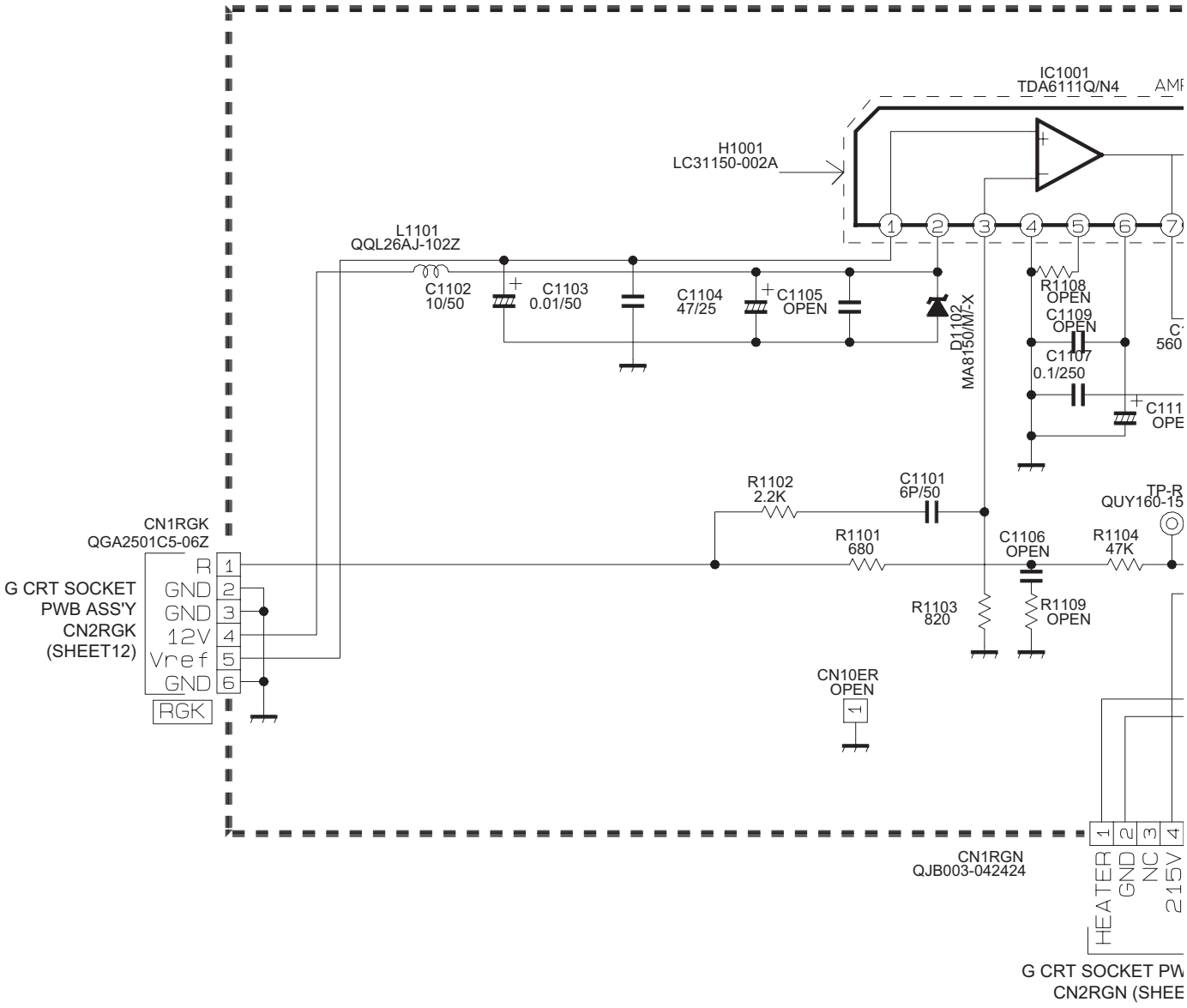

DET PB ASSY
GGA10010
SSR0D010A/SSR0D011A
(I/P BLOCK + DSD BLOCK)
SHEET9
SHEET8
DIGITAL INPUT BLOCK
FORMAT CONVERT /DSD
RA3018 RA3020 RA3022
RA3030 RA3032 RA3028
NRZ0080-510X



DIGITAL SIGNAL PWB ASS'Y (3/3)

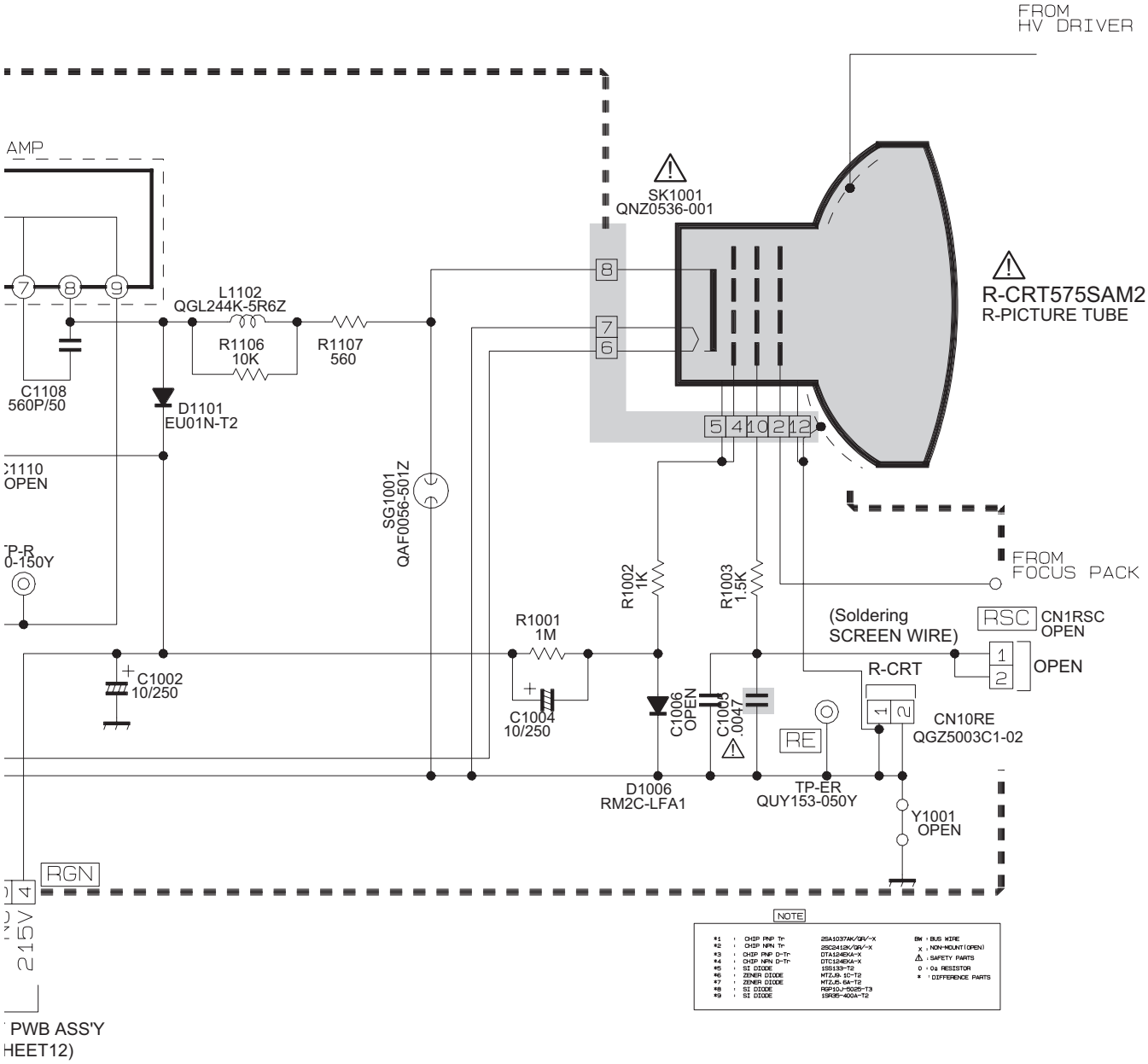
SSR0D010A-M2 [AV-48P776/H, AV-48P786/H]

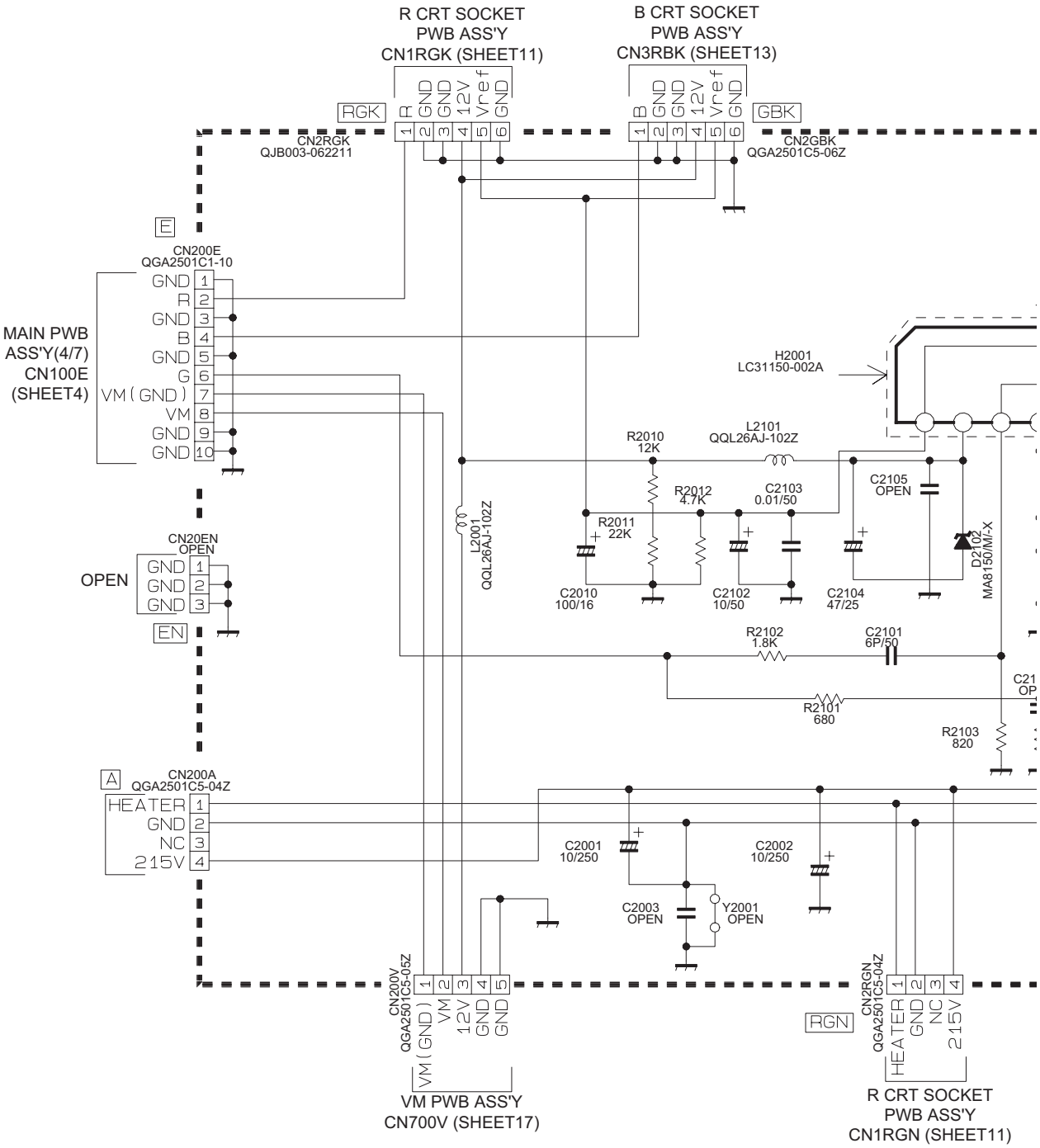
SSR0D011A-M2 [AV-56P776/H, AV-56P786/H]



R CRT SOCKET PWB ASS'Y

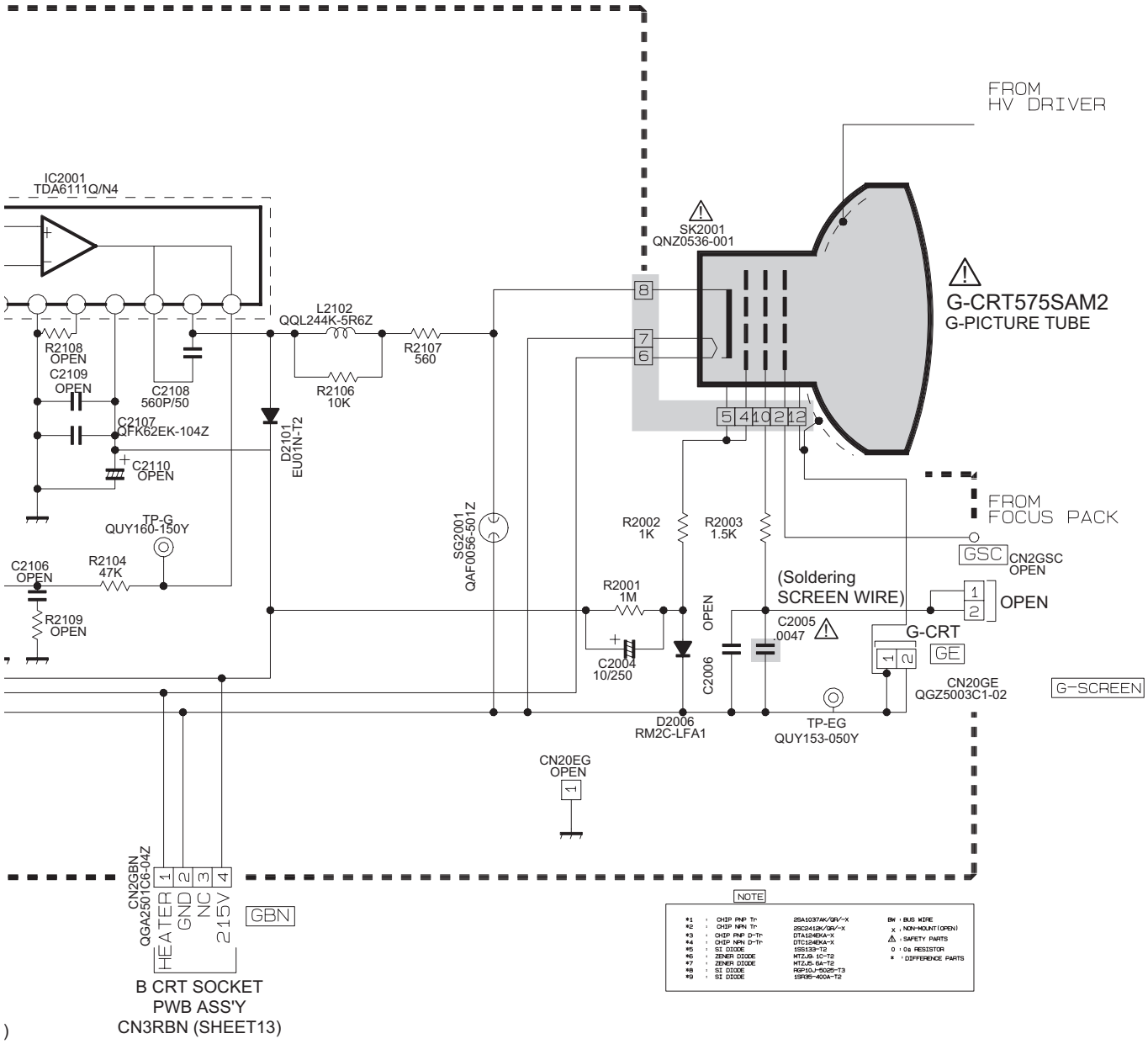
SSR-3101A-M2


FROM
HV DRIVER
AMP
SK1001
QNZ0536-001
R-CRT575SAM2
R-PICTURE TUBE
L1102
QGL244K-5R6Z
R1106
10K
R1107
560
C1108
560P/50
D1101
EU01N-T2
SG1001
QAF0056-501Z
R1002
1K
R1003
1.5K
FROM
FOCUS PACK
(Soldering
SCREEN WIRE)
RSC
CN1RSC
OPEN
R1001
1M
C1002
10/250
C1004
10/250
C1006
OPEN
C1005
.0047
R-CRT
OPEN
CN10RE
QGZ5003C1-02
RE
D1006
RM2C-LFA1
TP-ER
QUY153-050Y
Y1001
OPEN
RGN
215V
NOTE
PWB ASS'Y
HEET12)

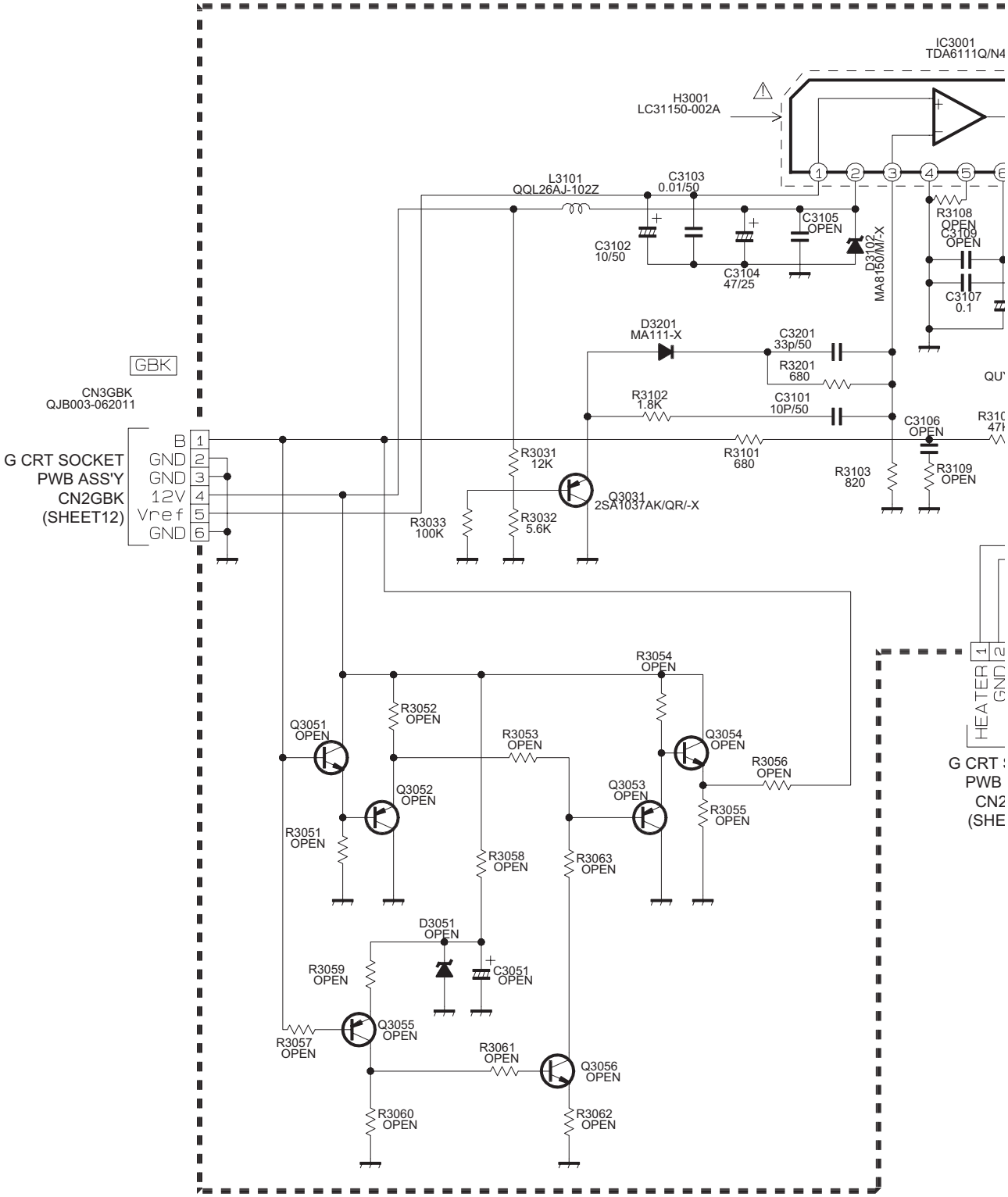


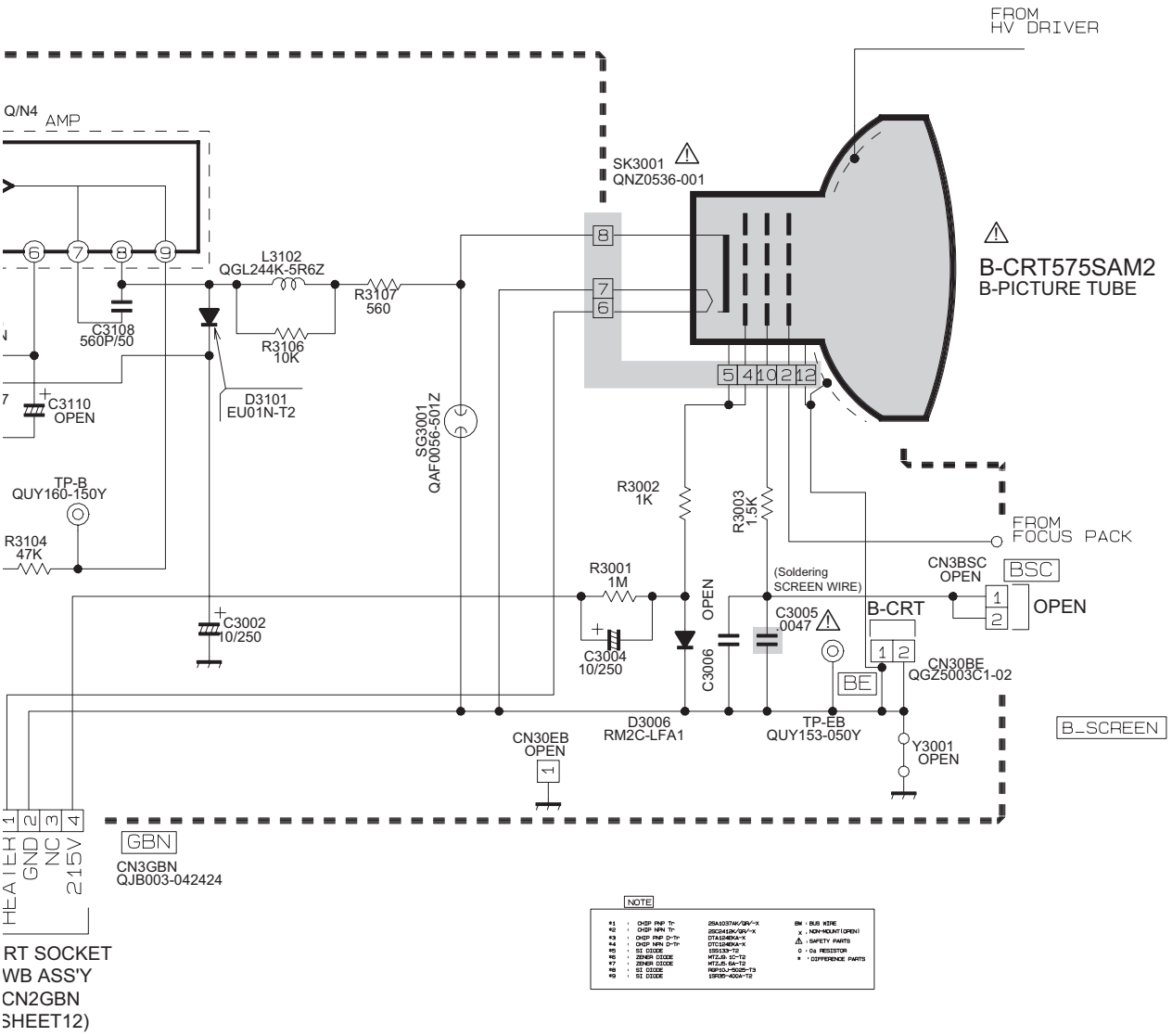
G CRT SOCKET PWB ASS'Y

SSR-3201A-M2


FROM
HV DRIVER
IC2001
TDA6111Q/N4
SK2001
QNZ0536-001
G-CRT575SAM2
G-PICTURE TUBE
L2102
QQL244K-5R6Z
R2107
560
R2106
10K
R2108
OPEN
C2109
OPEN
C2108
560P/50
C2107
QFK62EK-104Z
C2110
OPEN
D2101
EU01N-T2
TP-G
QUY160-150Y
C2106
OPEN
R2104
47K
R2109
OPEN
SG2001
QAF0056-501Z
R2002
1K
R2003
1.5K
FROM
FOCUS PACK
GSC
CN2GSC
OPEN
(Soldering
SCREEN WIRE)
R2001
1M
C2004
10/250
C2006
OPEN
C2005
.0047
OPEN
G-CRT
GE
CN20GE
QGZ5003C1-02
G-SCREEN
D2006
RM2C-LFA1
TP-EG
QUY153-050Y
CN20EG
OPEN
CN2GBN
QGA2501C6-04Z
HEATER
GND
NC
215V
GBN
B CRT SOCKET
PWB ASS'Y
CN3RBN (SHEET13)
NOTE

B CRT SOCKET PWB CIRCUIT DIAGRAM SHEET 13



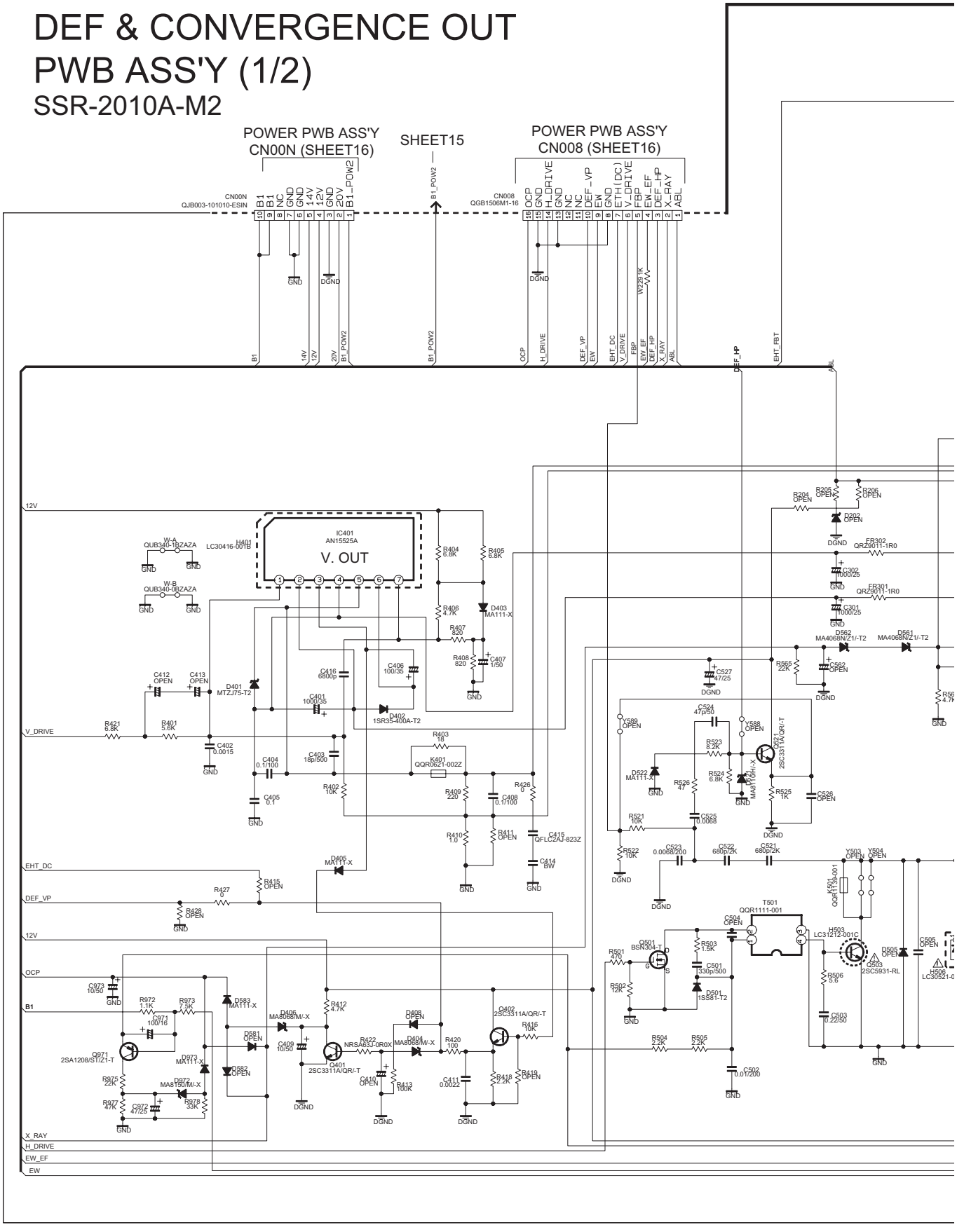


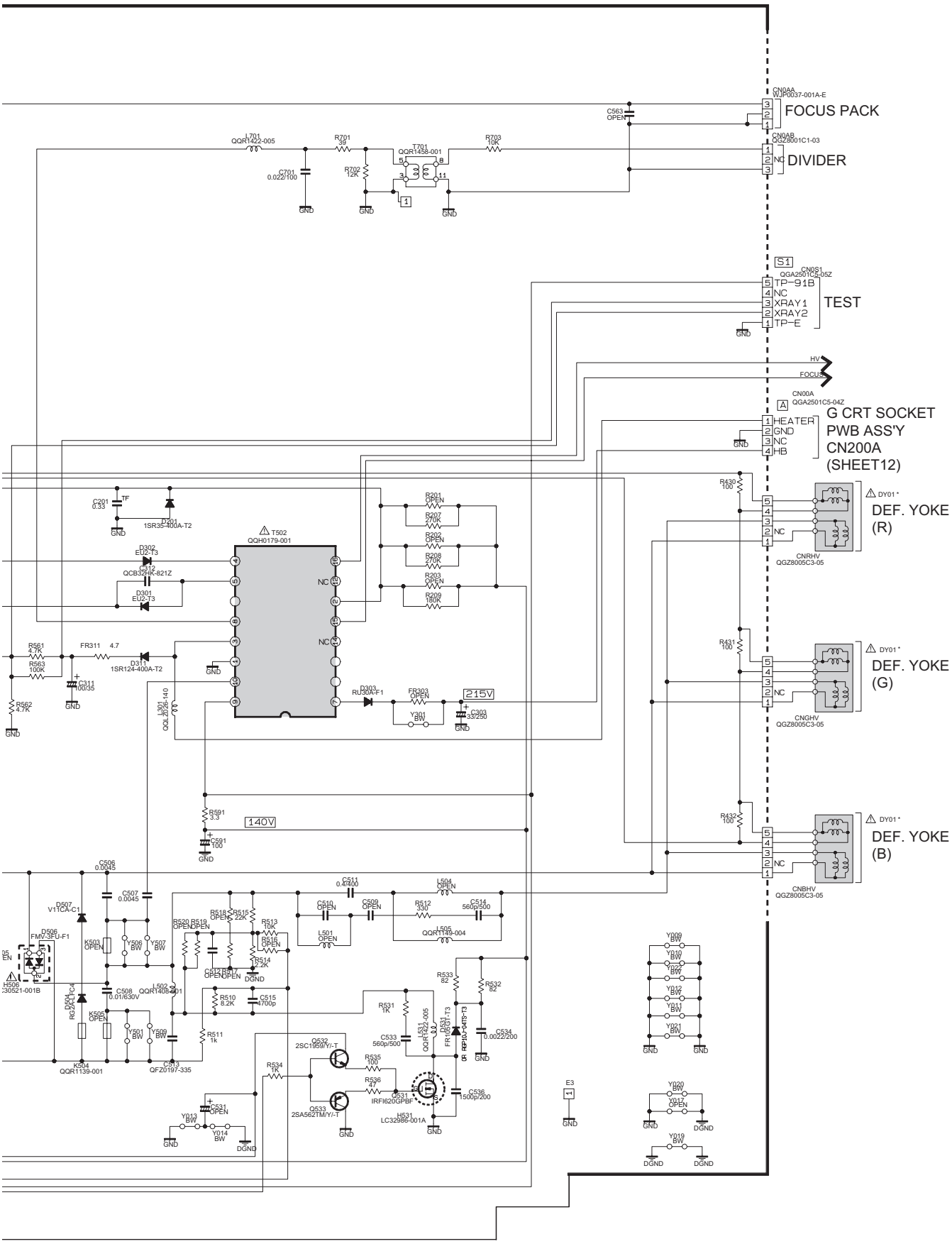
B CRT SOCKET PWB ASS'Y

SSR-3301A-M2

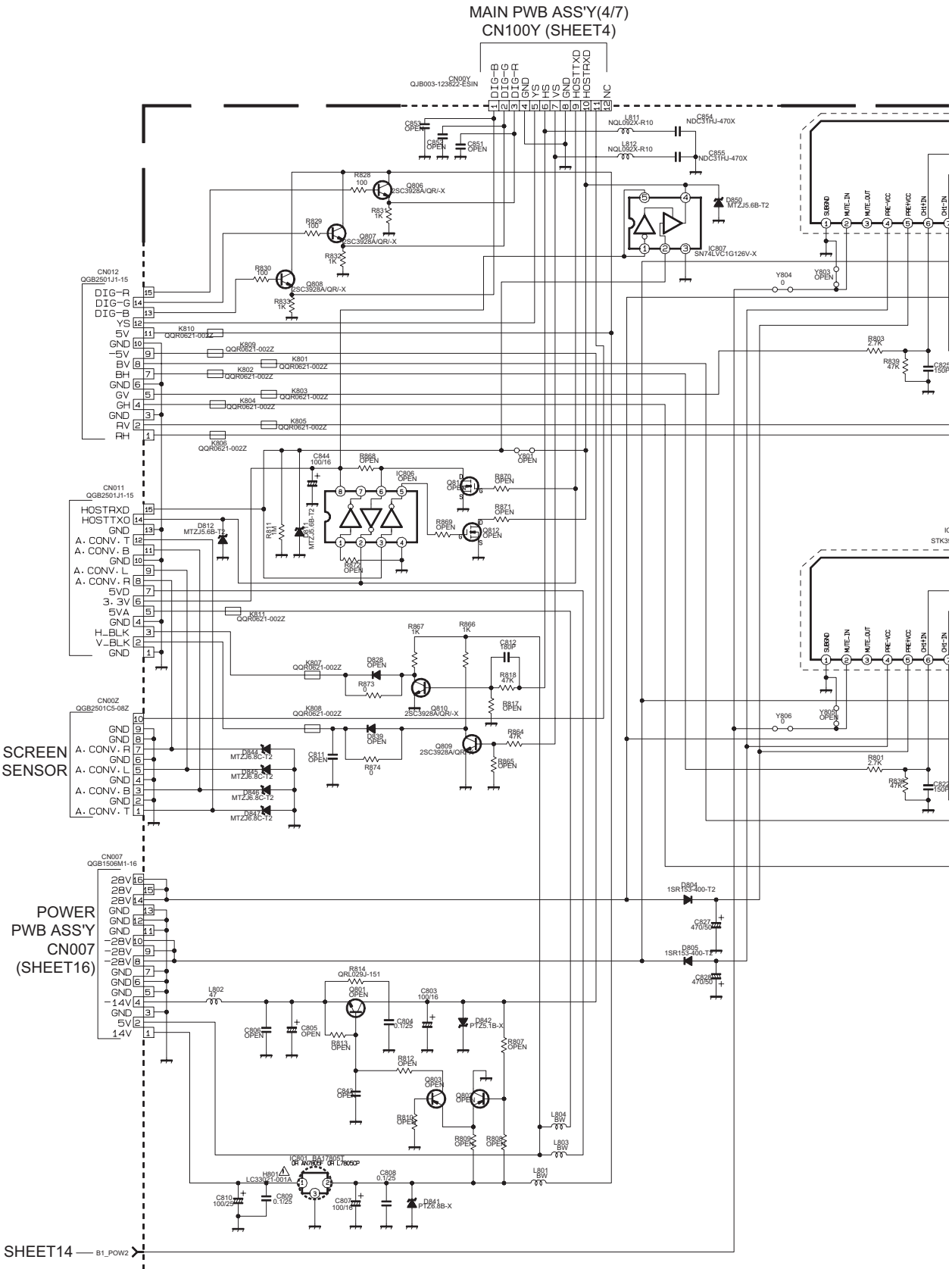
DEF & CONVERGENCE OUT PWB ASS'Y (1/2)

SSR-2010A-M2



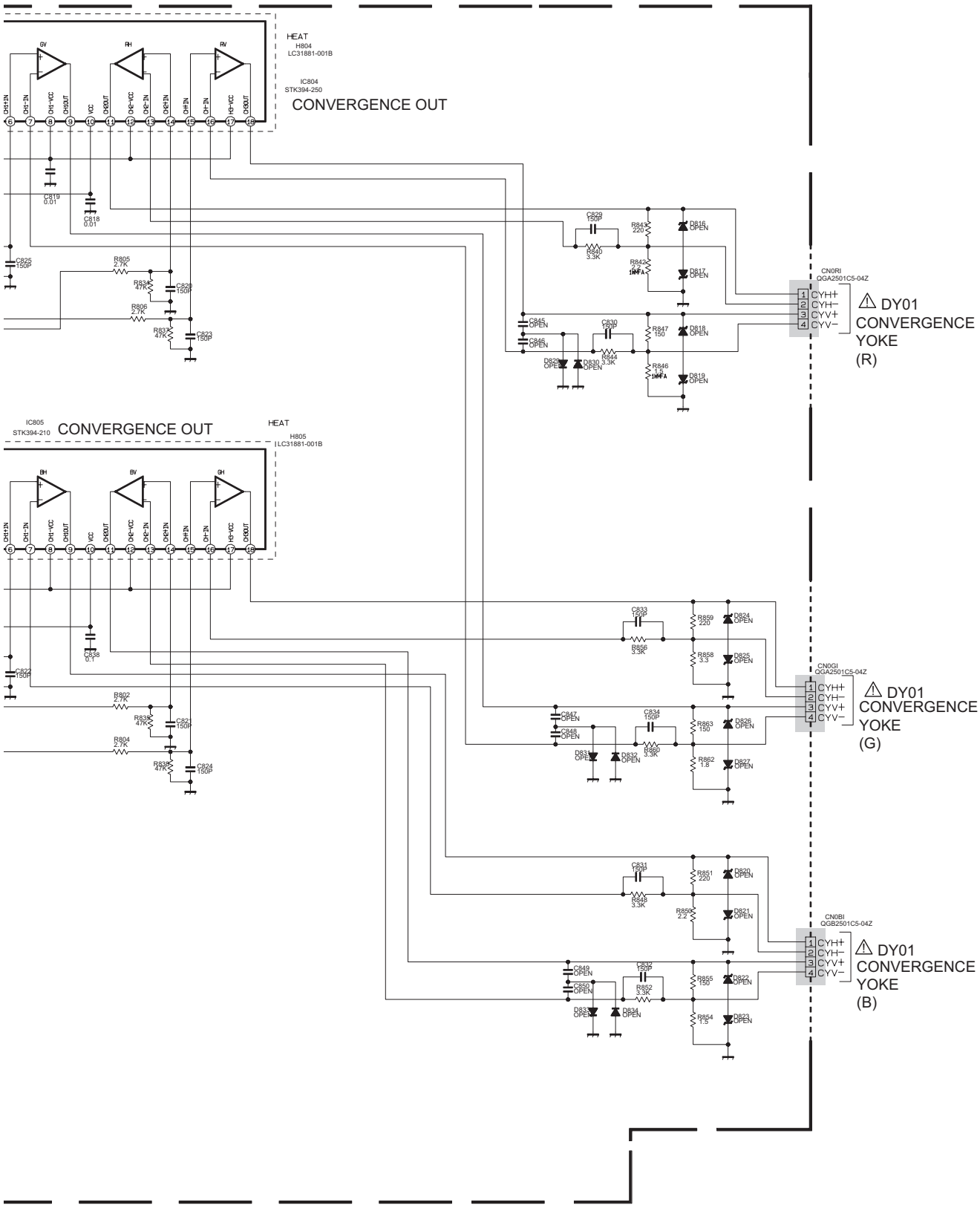

CN0AA
WJP0037-001A-E
FOCUS PACK
C563
OPEN
CN0AB
QGZ8001C1-03
DIVIDER
L701
QQR1422-005
R701
39
T701
QQR1458-001
R703
10K
C701
0.022/100
R702
12K
GND
S1
CN0S1
QGA2501C5-05Z
TP-91B
NC
XRAY1
XRAY2
TP-E
TEST
HV
FOCUS
CN00A
QGA2501C5-04Z
A
HEATER
GND
NC
HB
G CRT SOCKET
PWB ASS'Y
CN200A
(SHEET12)
T502
QQH0179-001
C201
0.33
TF
D201
1SR35-400A-T2
D302
EU2-T3
D312
QCB32HK-821Z
D301
EU2-T3
R201
OPEN
R207
270K
R202
OPEN
R208
270K
R203
OPEN
R209
180K
R561
4.7K
R563
100K
R562
4.7K
FR311
4.7
D311
1SR124-400A-T2
C311
100/35
L301
QQL2026-140
D303
RU30A-F1
FR303
OPEN
215V
Y301
BW
C303
33/250
R591
3.3
140V
C591
100
R430
100
R431
100
R432
100
DY01 *
DEF. YOKE
(R)
DEF. YOKE
(G)
DEF. YOKE
(B)
CNRHV
QGZ8005C3-05
CNGHV
QGZ8005C3-05
CNBHV
QGZ8005C3-05
C506
0.0045
C507
0.0045
D507
V11CA-C1
D506
FMV-3FU-F1
H506
230521-001B
K503
OPEN
Y506
BW
Y507
BW
R520
OPEN
R519
OPEN
R518
OPEN
R515
22K
R513
10K
R516
OPEN
R514
2.2K
C512
OPEN
R517
OPEN
C508
0.01/630V
L503
QQR1405-001
D504
RD2.4FM-C4
K505
OPEN
Y501
BW
Y509
BW
K504
QQR1139-001
C513
QFZ0197-335
R510
8.2K
C515
4700p
R511
1k
C511
0.47/400
C510
OPEN
C509
OPEN
L504
OPEN
R512
330
C514
560p/500
L501
OPEN
L505
QQR1149-004
R533
82
R532
82
R531
1K
L531
QQR1422-005
D531
FR107
C533
560p/500
C534
0.0022/200
R534
1K
R535
100
R536
47
Q532
2SC1959/Y/-T
Q533
2SA562TM/Y/-T
Q531
IRFI620GPBF
H531
LC32986-001A
C536
1500p/200
C531
OPEN
Y013
BW
Y014
BW
E3
Y009
BW
Y010
BW
Y011
BW
Y012
BW
Y015
BW
Y016
BW
Y020
BW
Y017
OPEN
Y019
BW
DGND

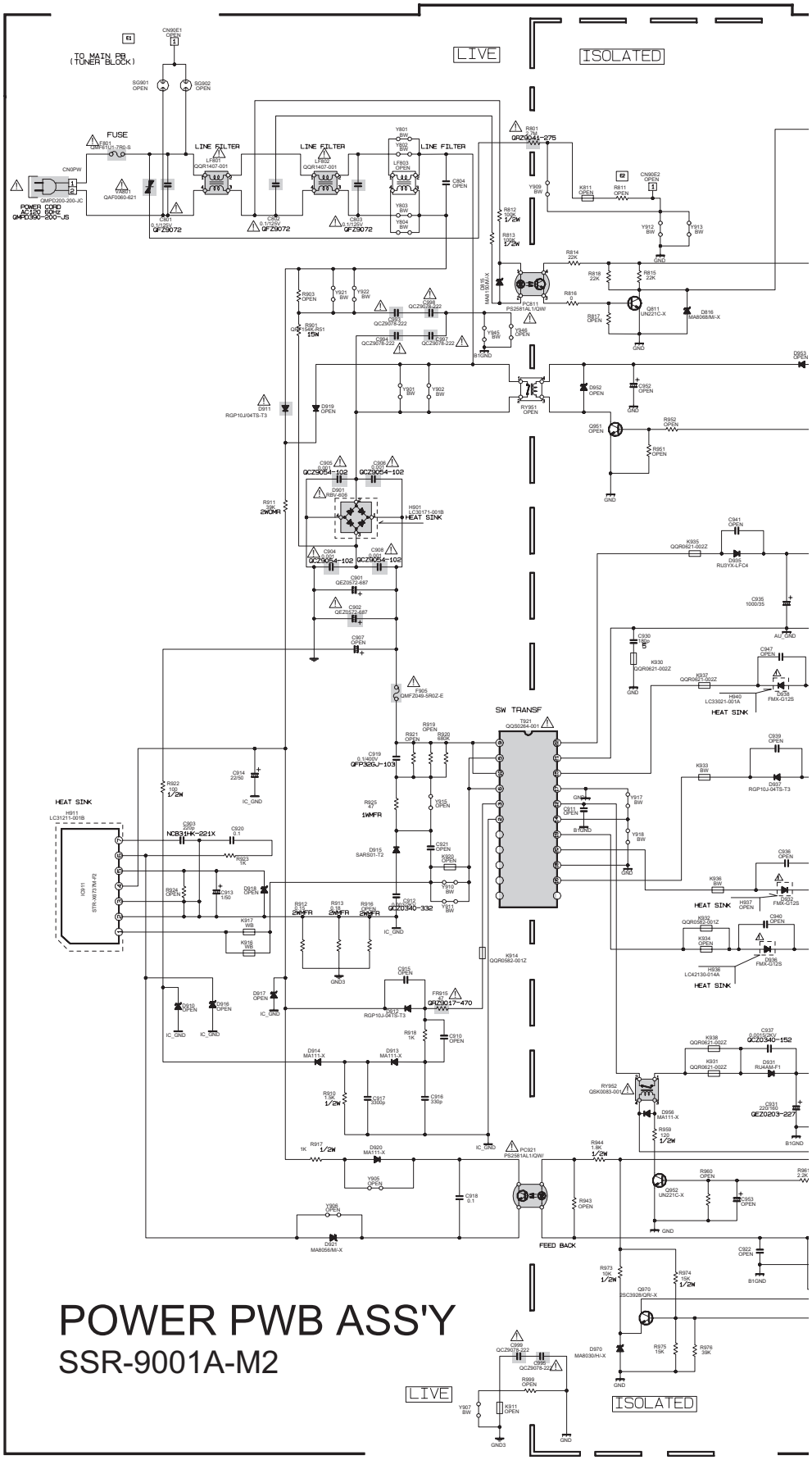
DEF & CONVERGENCE OUT PWB CIRCUIT DIAGRAM (2/2) SHEET 15



DEF & CONVERGENCE OUT PWB ASS'Y (2/2)

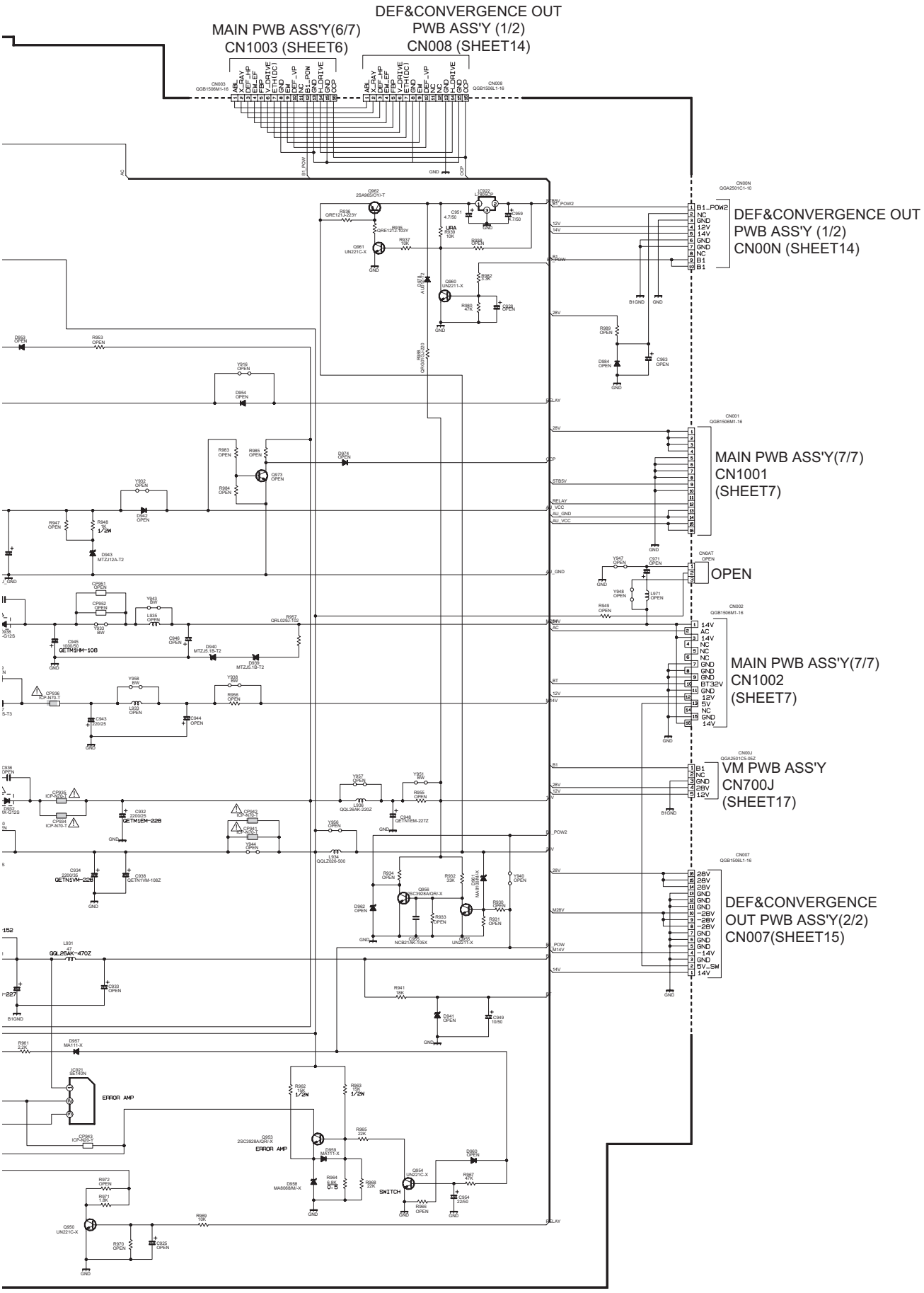
SSR-2010A-M2



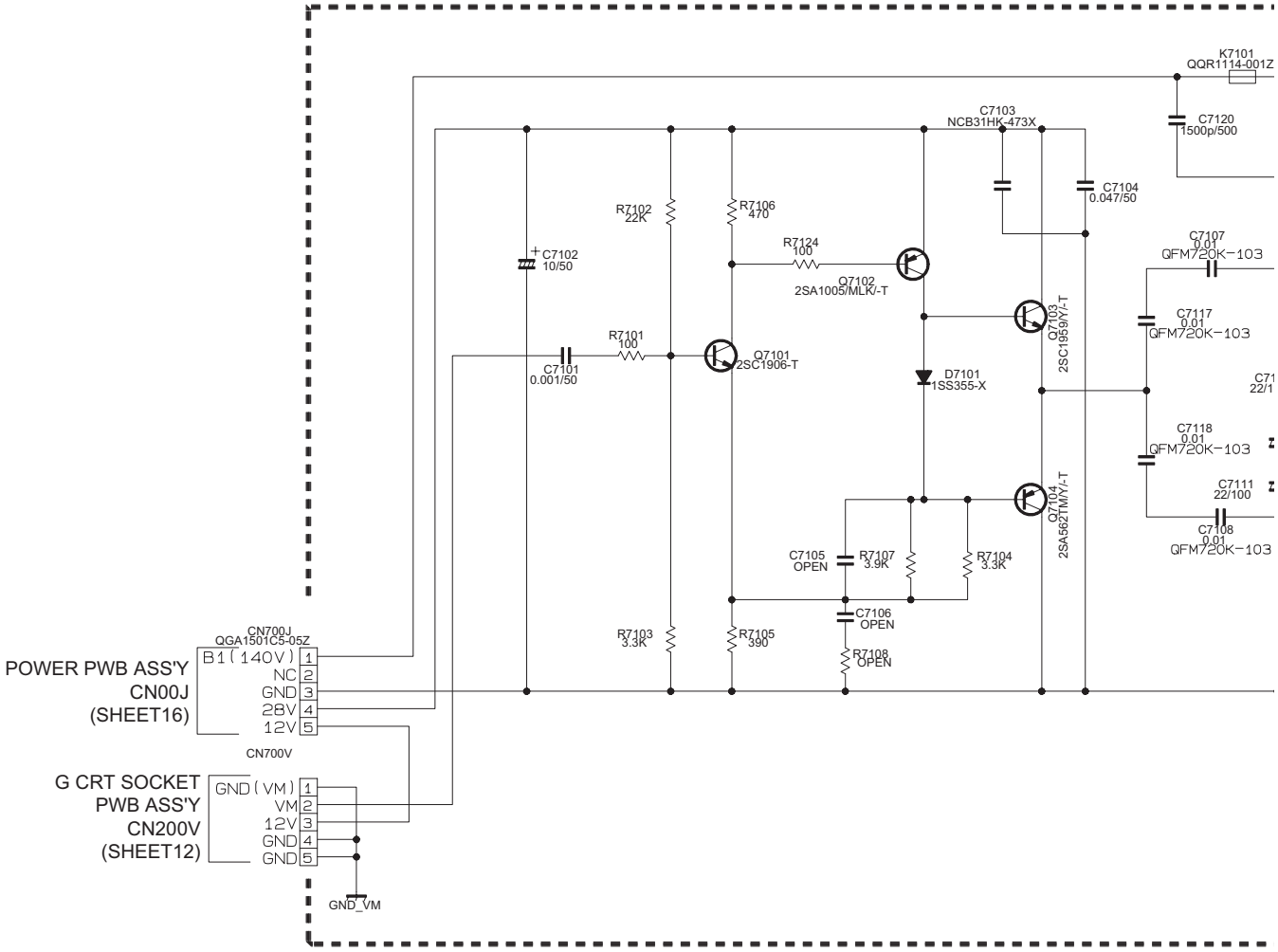


POWER PWB ASS'Y

SSR-9001A-M2

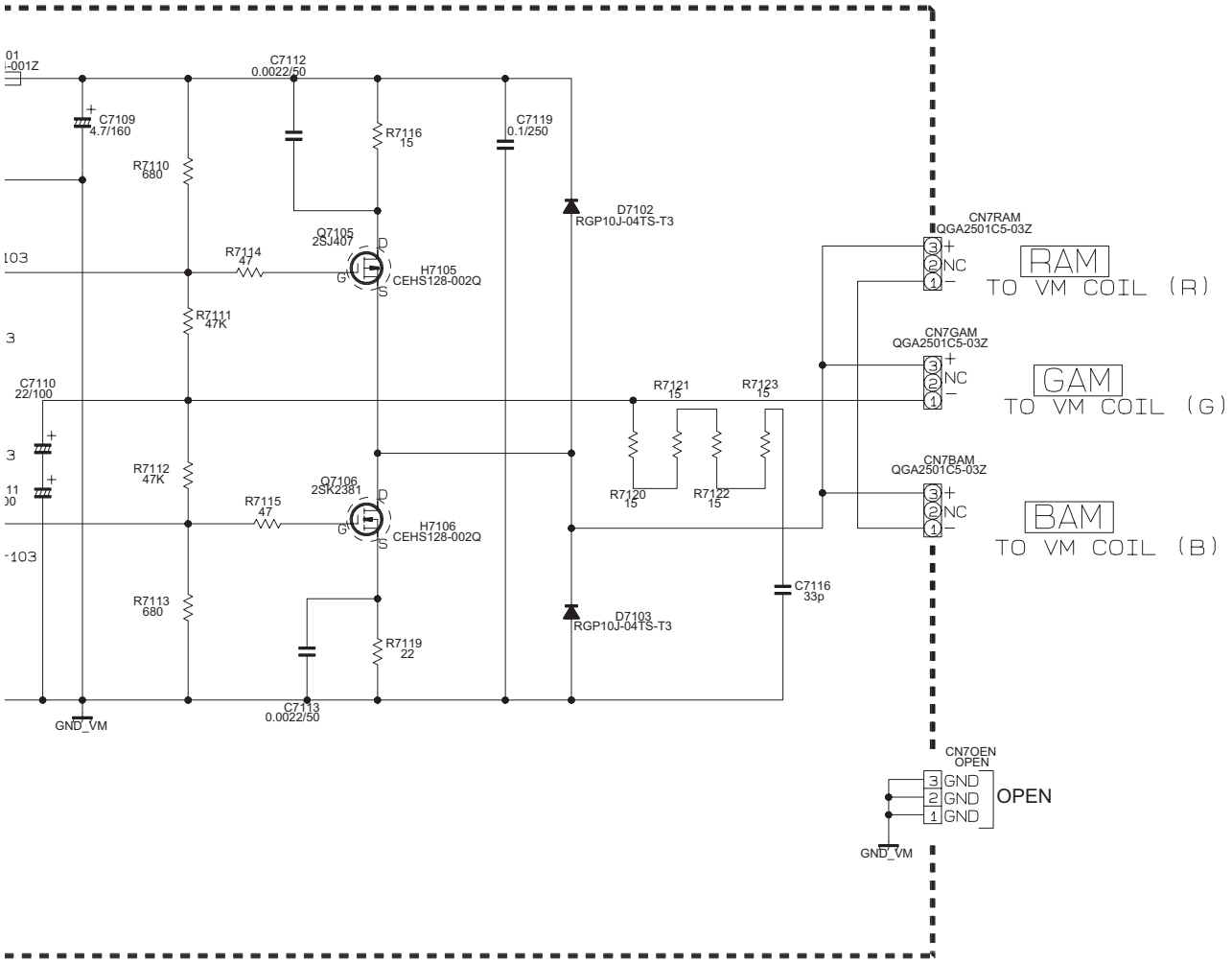

MAIN PWB ASS'Y(6/7)
CN1003 (SHEET6)
DEF&CONVERGENCE OUT
PWB ASS'Y (1/2)
CN008 (SHEET14)
DEF&CONVERGENCE OUT
PWB ASS'Y (1/2)
CN00N (SHEET14)
MAIN PWB ASS'Y(7/7)
CN1001
(SHEET7)
OPEN
MAIN PWB ASS'Y(7/7)
CN1002
(SHEET7)
VM PWB ASS'Y
CN700J
(SHEET17)
DEF&CONVERGENCE
OUT PWB ASS'Y(2/2)
CN007(SHEET15)
ERROR AMP
SWITCH

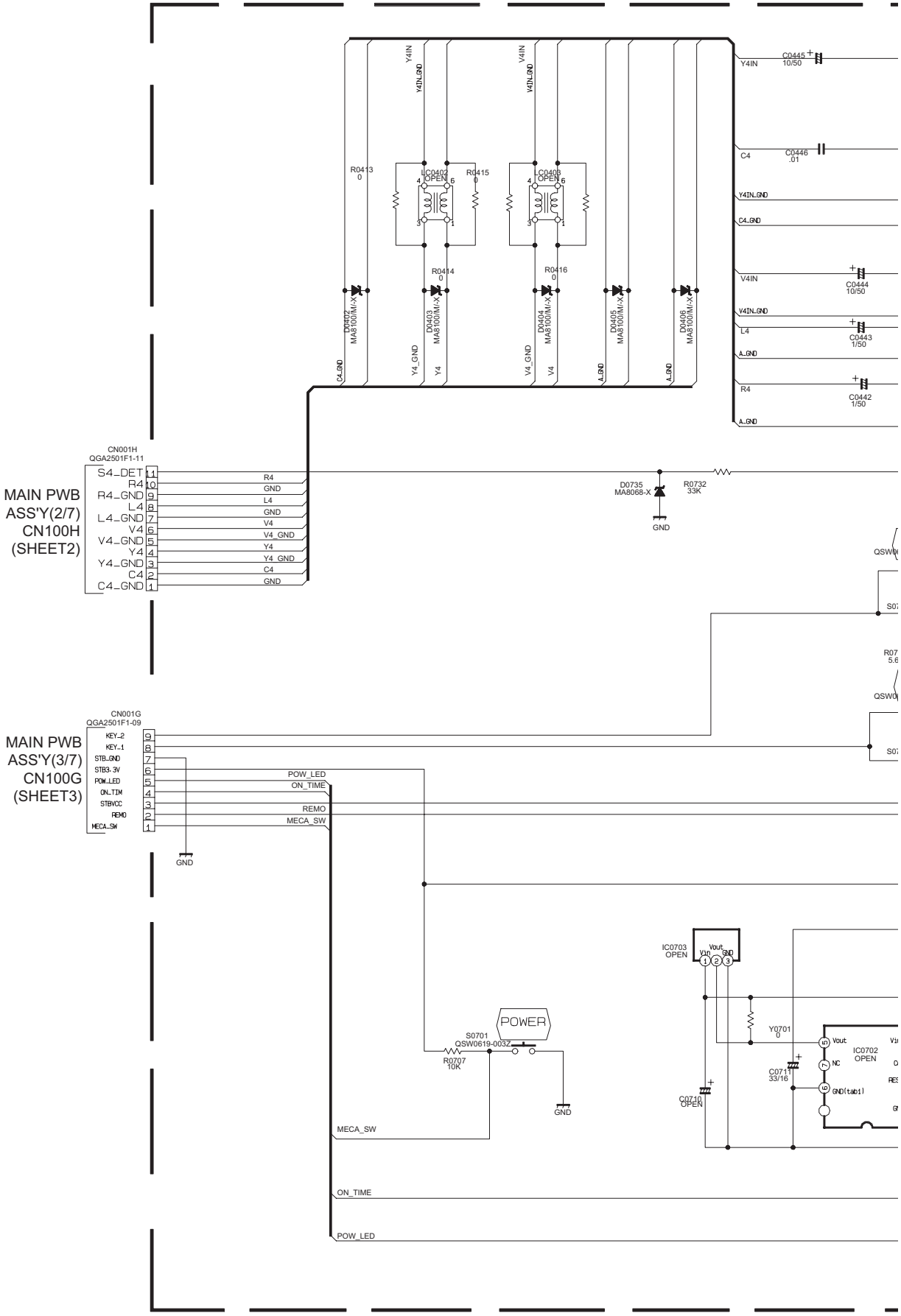
VM PWB CIRCUIT DIAGRAM SHEET 17



VM PWB ASS'Y

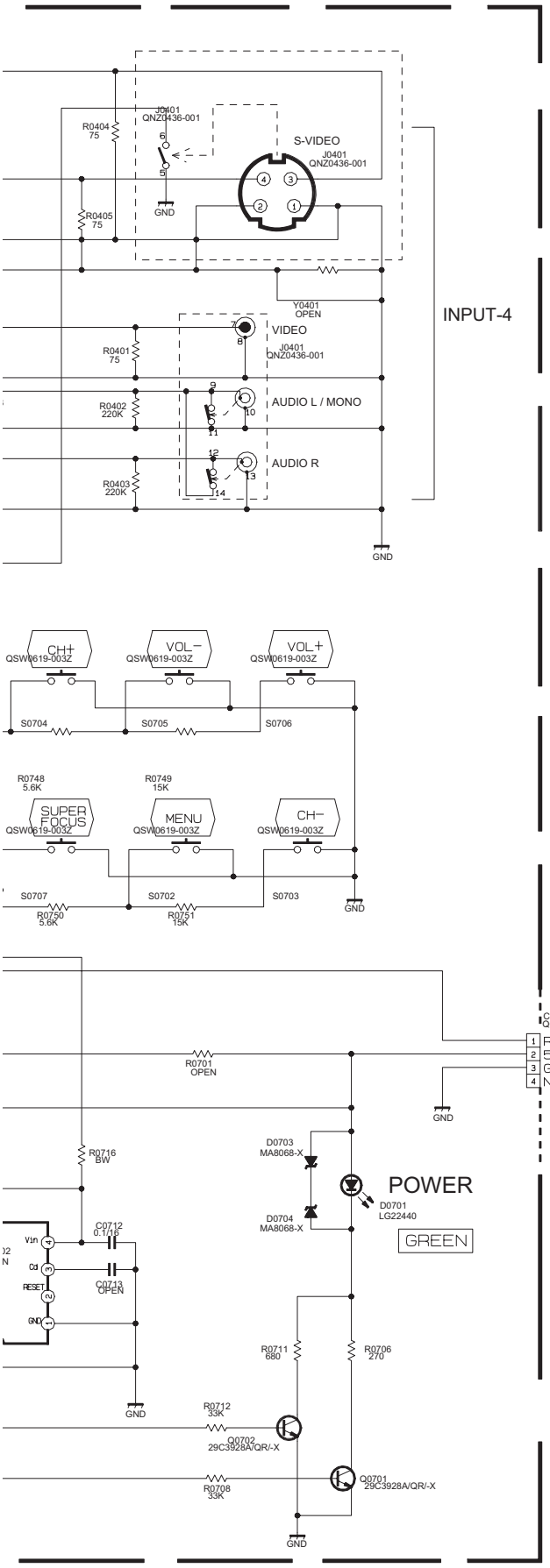
SSR-7201A-M2




MAIN PWB ASS'Y(2/7) CN100H (SHEET2)
CN001H
QGA2501F1-11
S4_DET
R4
R4_GND
L4
L4_GND
V4
V4_GND
Y4
Y4_GND
C4
C4_GND
MAIN PWB ASS'Y(3/7) CN100G (SHEET3)
CN001G
QGA2501F1-09
KEY_2
KEY_1
STB_GND
STB3.3V
POW_LED
ON_TIM
STBVCC
REMO
MECA_SW
Y4IN
Y4IN_GND
V4IN
V4IN_GND
C4_GND
Y4_GND
V4_GND
A_GND
L4
R4
C4
D0735 MA8068-X
R0732 33K
GND
POWER
S0701 QSW0619-0032
R0707 10K
IC0703 OPEN
IC0702 OPEN
Y0701
C0710 OPEN
C0711 33/16
Vout
NC
GND(tab)
POW_LED
ON_TIME
REMO
MECA_SW

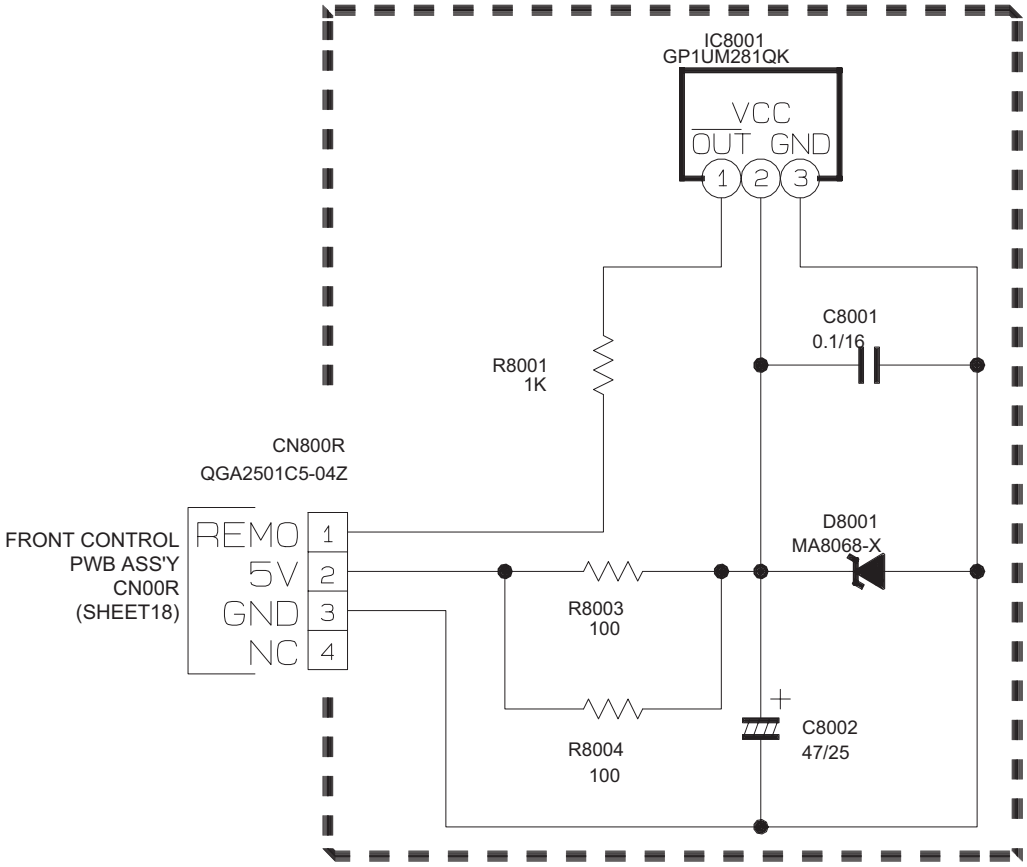
FRONT CONTROL PWB ASS'Y

SSR0L010A-M2

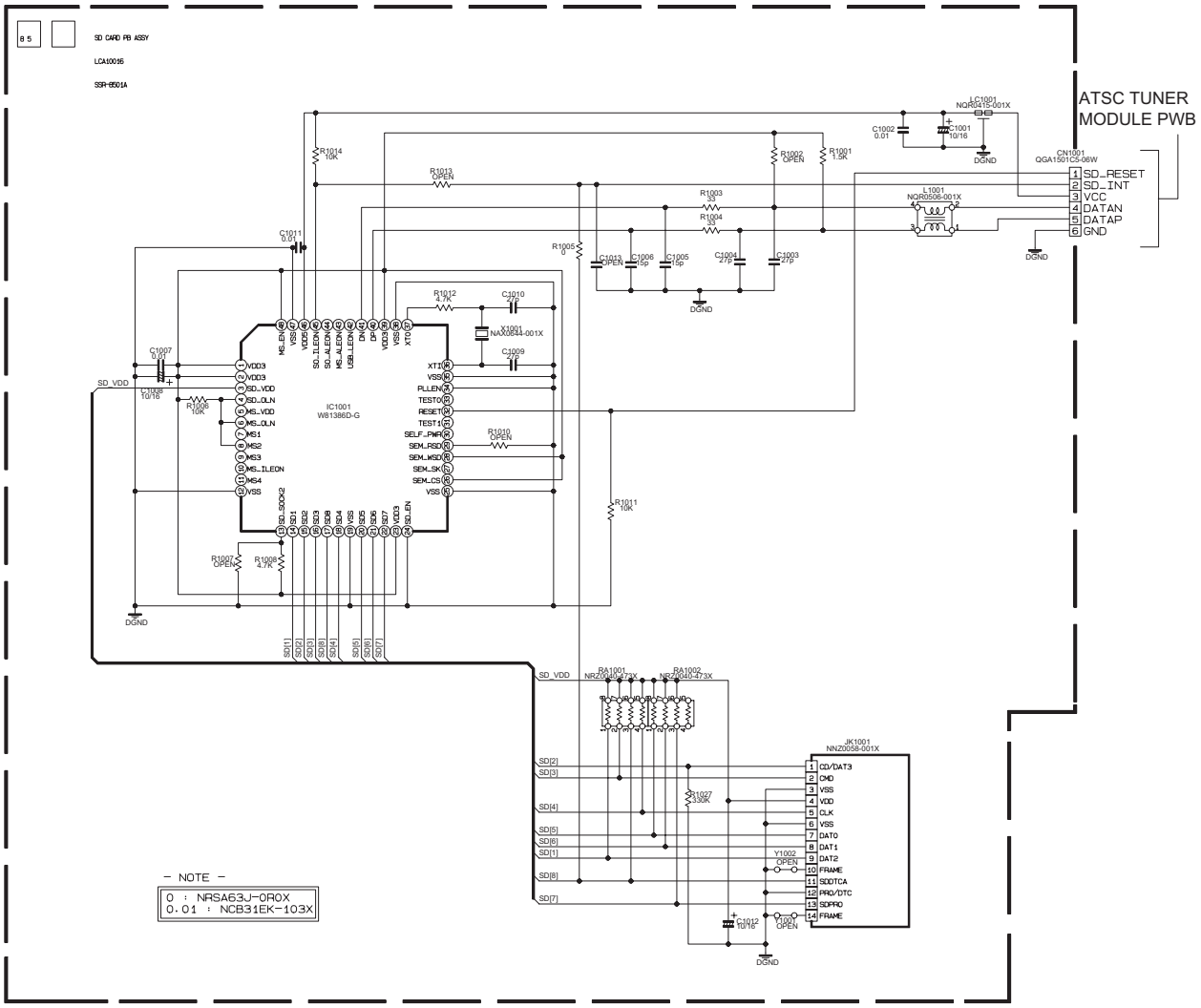


NOTE

#1	: CHIP PNP Tr	2SA1037AK/GR/-X	BW : BUS WIRE
#2	: CHIP NPN Tr	2SC2412K/GR/-X	X : NON-MOUNT(OPEN)
#3	: CHIP PNP D-Tr	DTA124EKA-X	⚠ : SAFETY PARTS
#4	: CHIP NPN D-Tr	DTC124EKA-X	0 : 0Ω RESISTOR
#5	: SI DIODE	1SS133-T2	* : DIFFERENCE PARTS
#6	: ZENER DIODE	MTZJ5.1C-T2	
#7	: ZENER DIODE	MTZJ5.6A-T2	
#8	: SI DIODE	RBF10J-60ZS-T3	
#9	: SI DIODE	1SR35-400A-T2	



REMOTE SENSOR PWB ASS'Y
SSR-8001A-M2

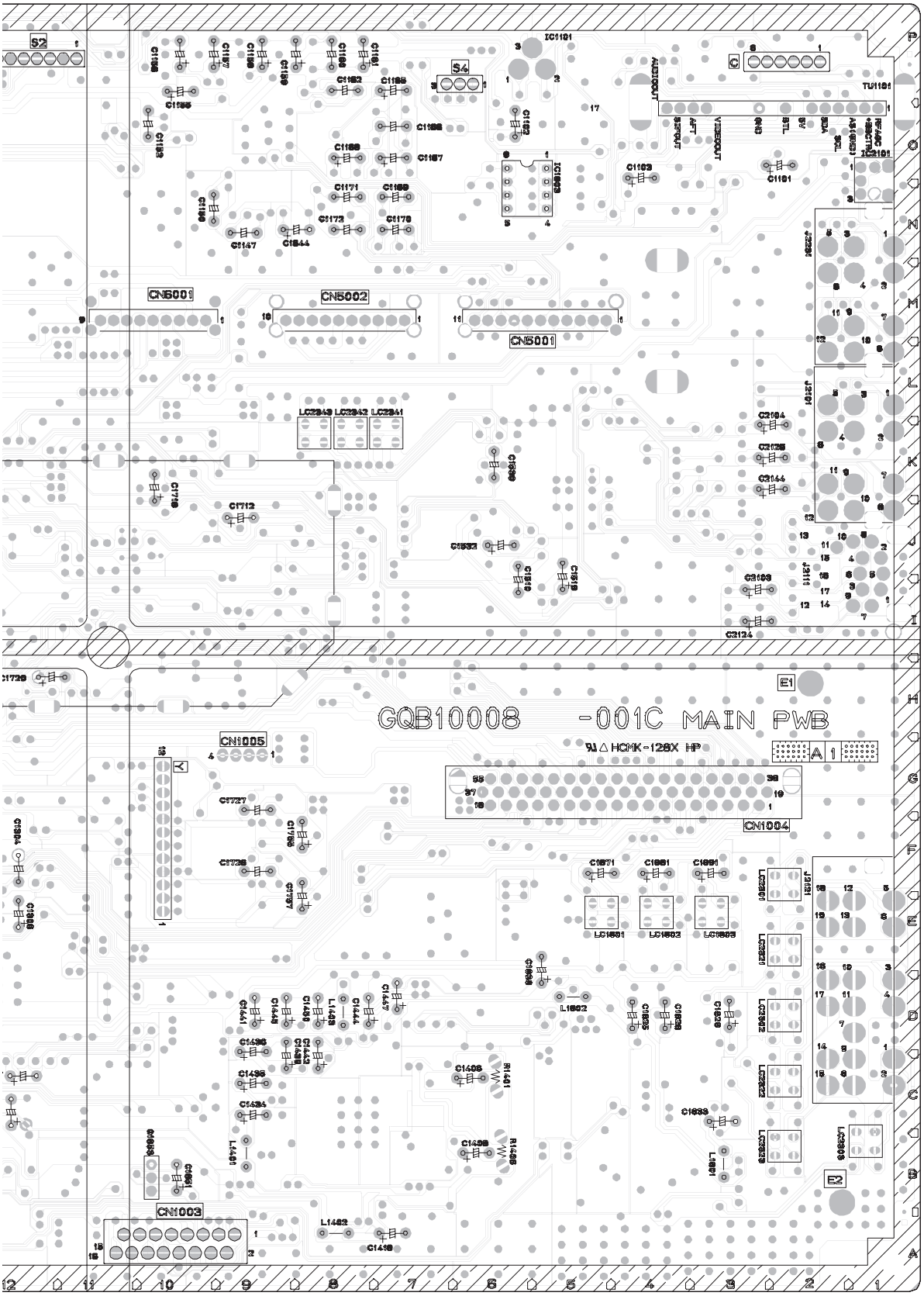


SD CARD PWB ASS'Y

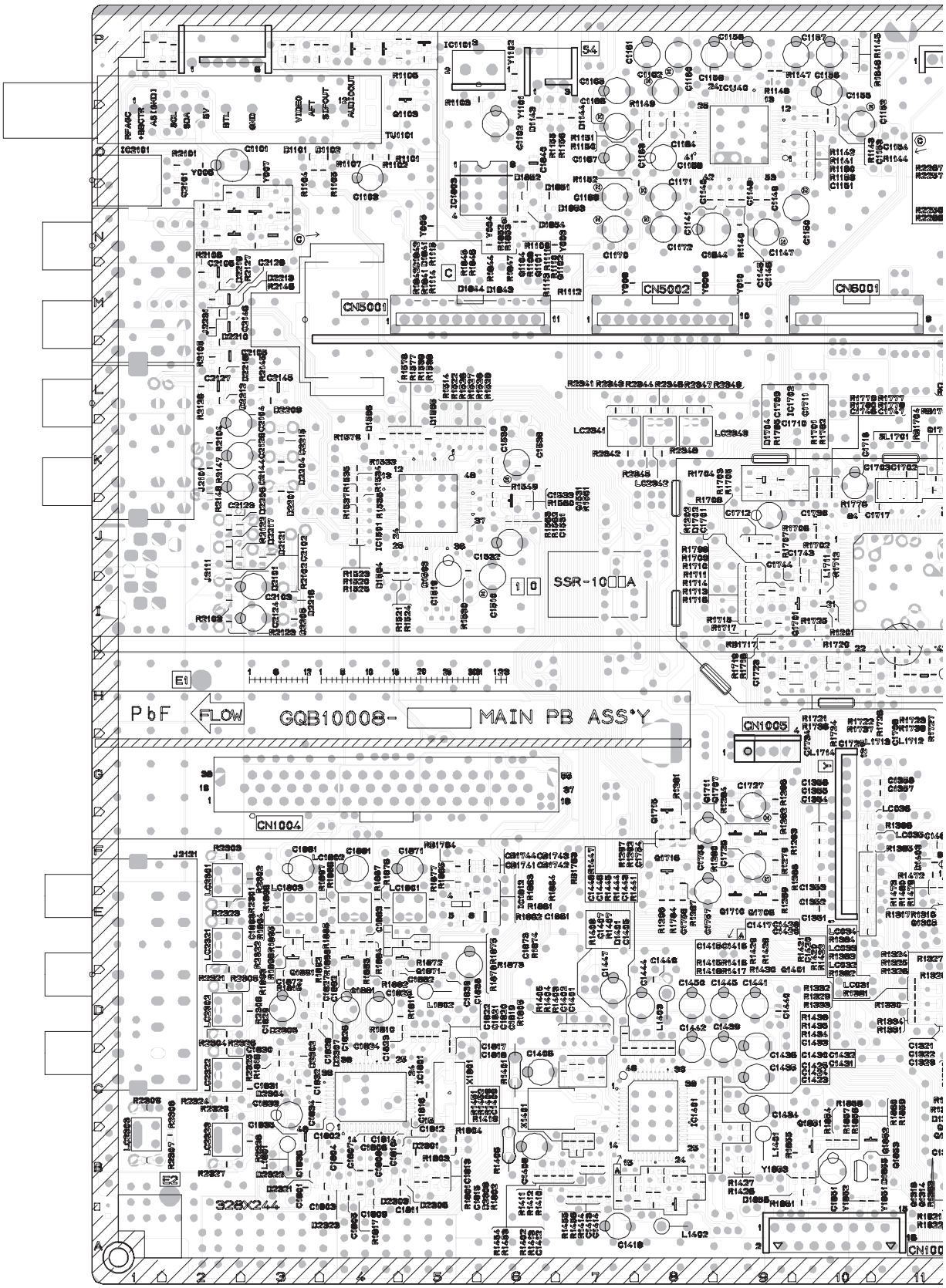
SSR-8501A-M2

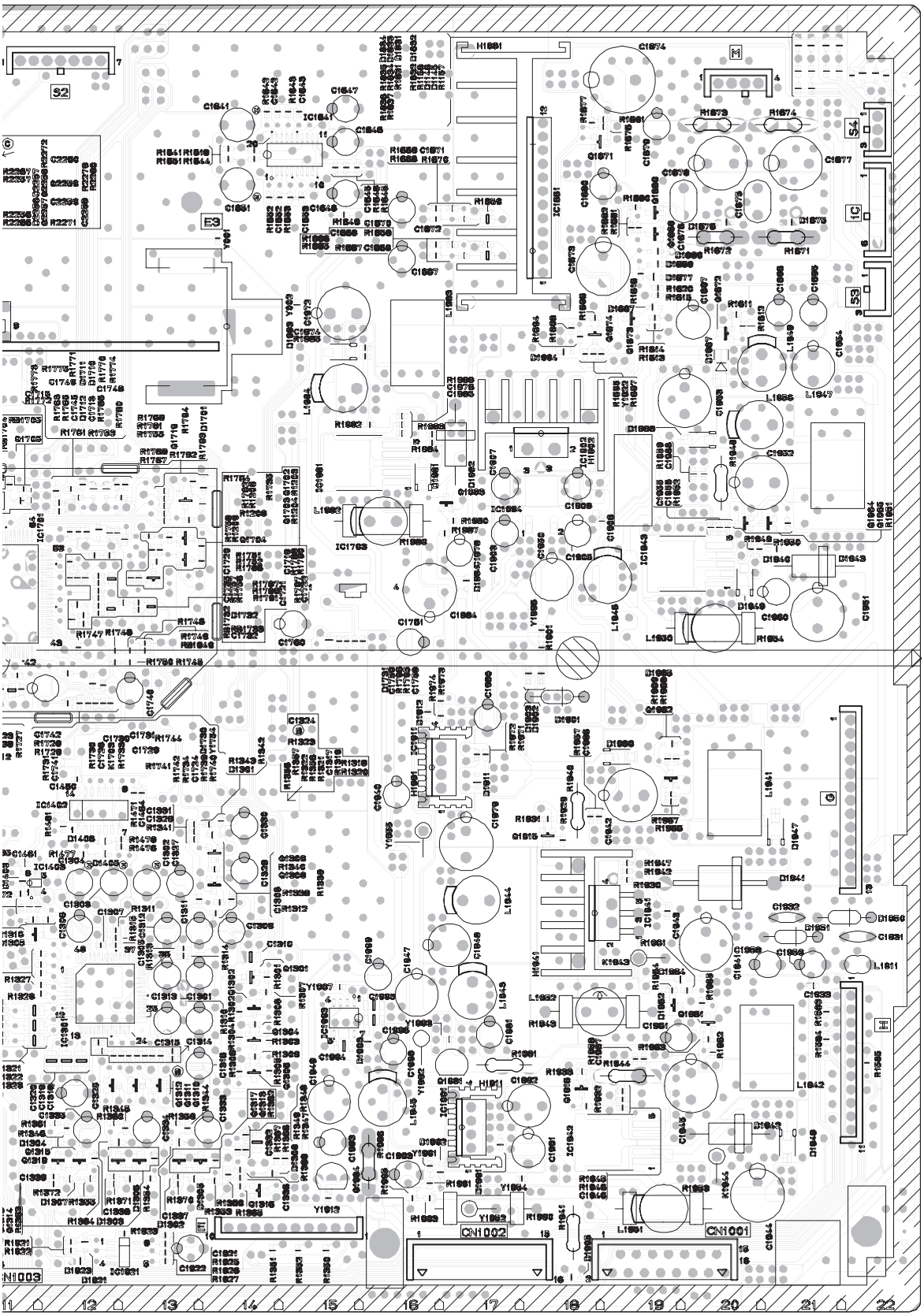
PATTERN DIAGRAMS

MAIN PWB PATTERN [SOLDER SIDE]

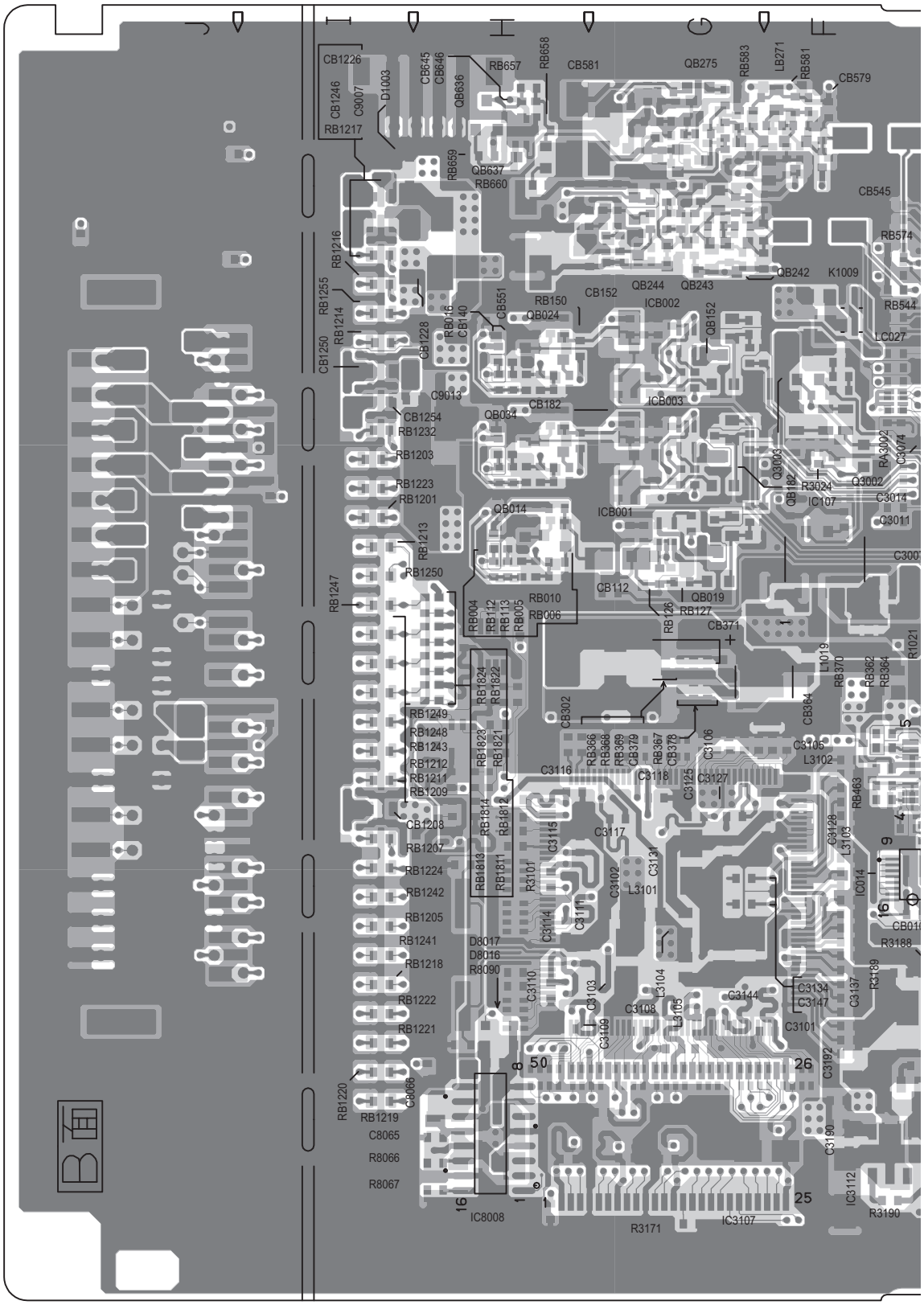

GQB10008 -001C MAIN PWB
CN5001
CN5002
CN5001
CN1005
CN1004
CN1003
FRONT

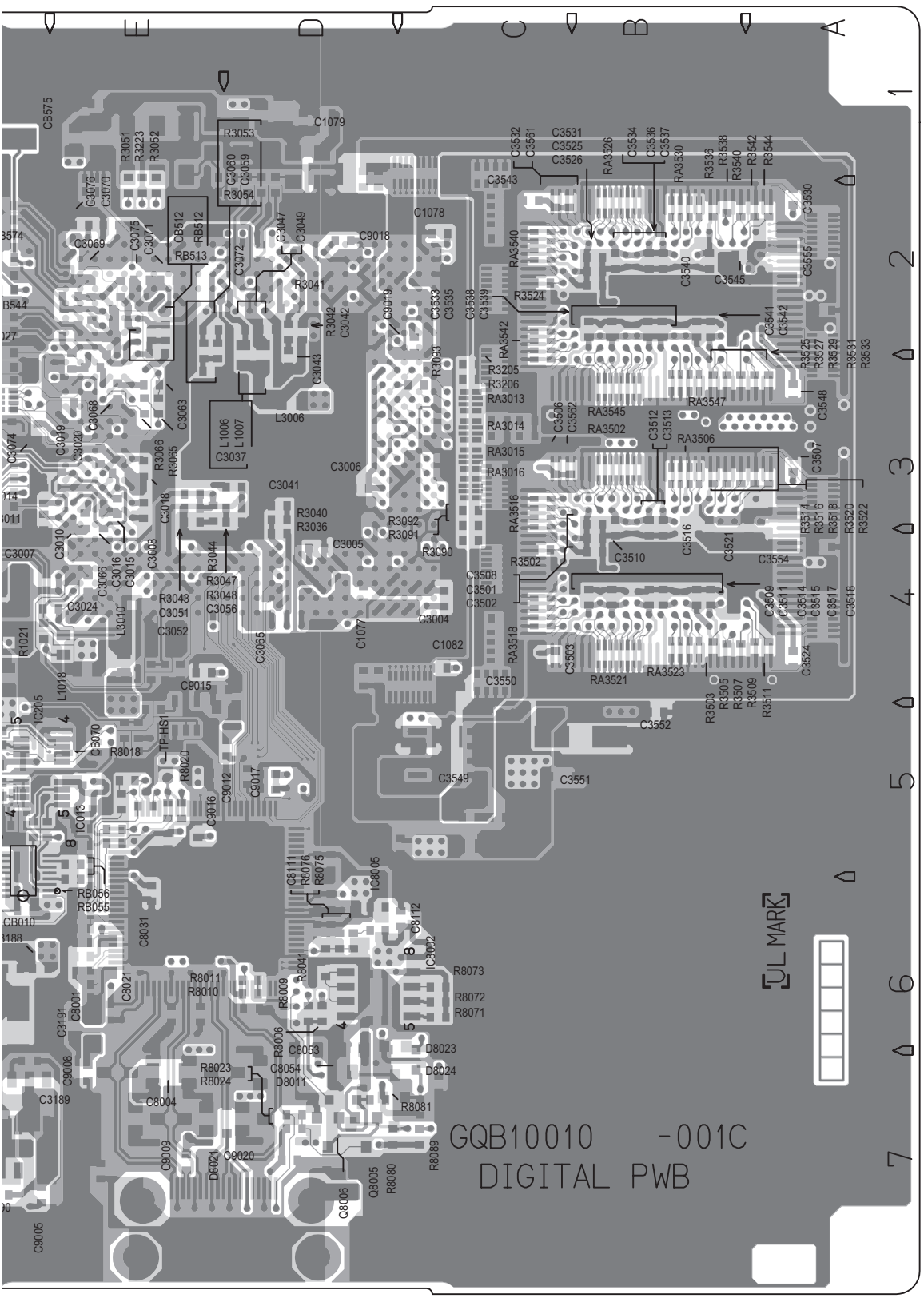
MAIN PWB PATTERN [PARTS SIDE]




FRONT
CN1002
CN1001
CN1003

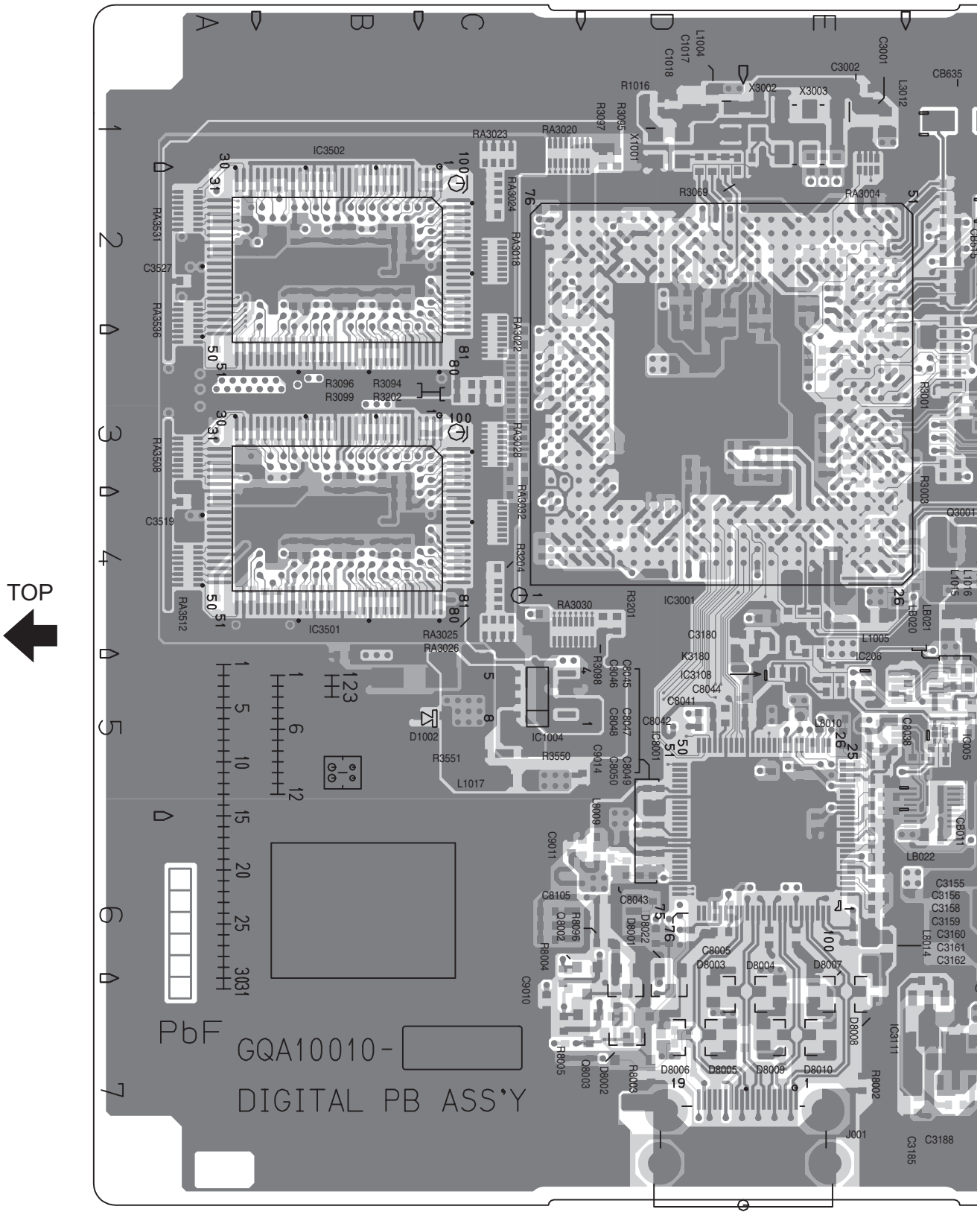
DIGITAL SIGNAL PWB PATTERN [SOLDER SIDE]

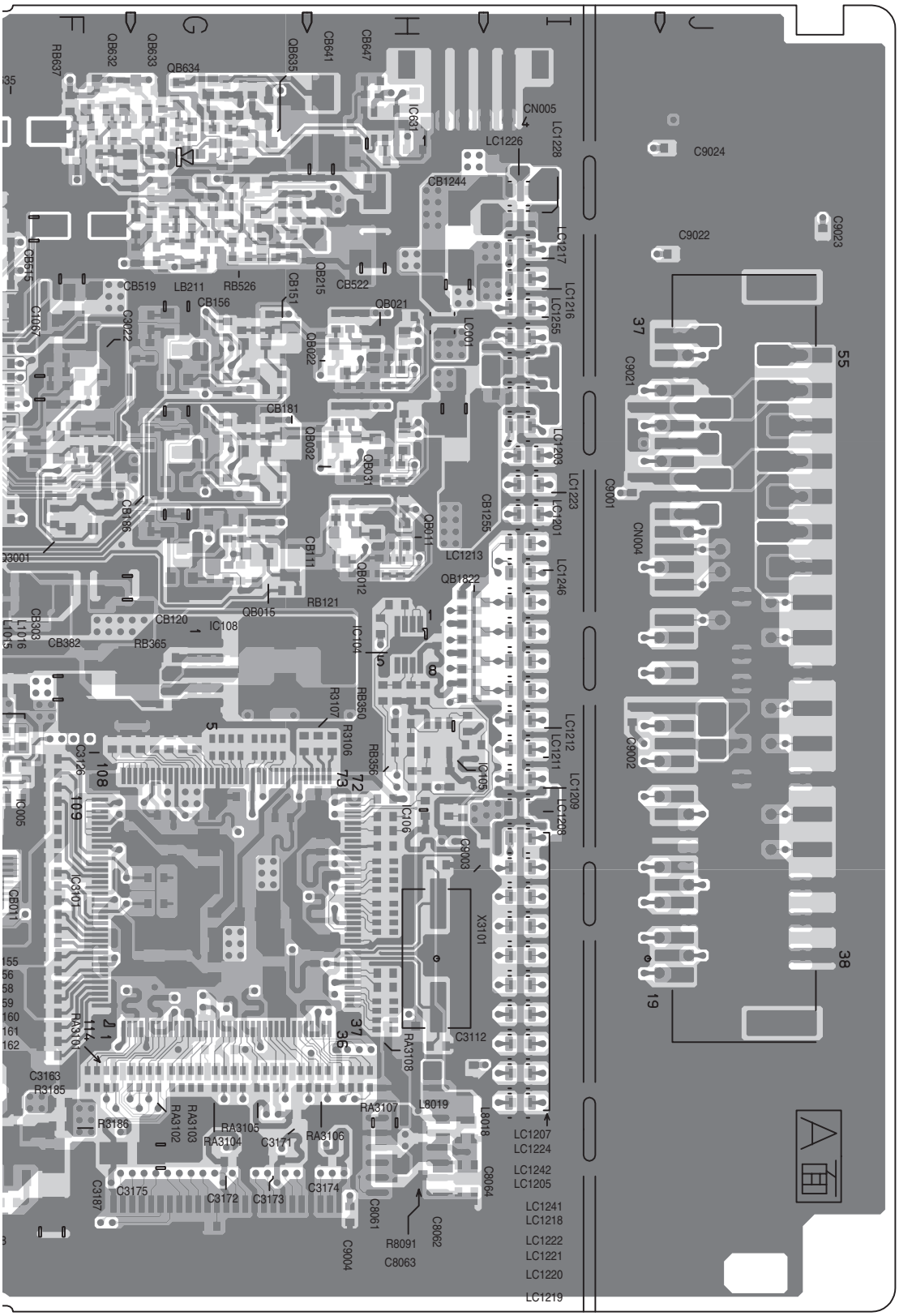




TOP

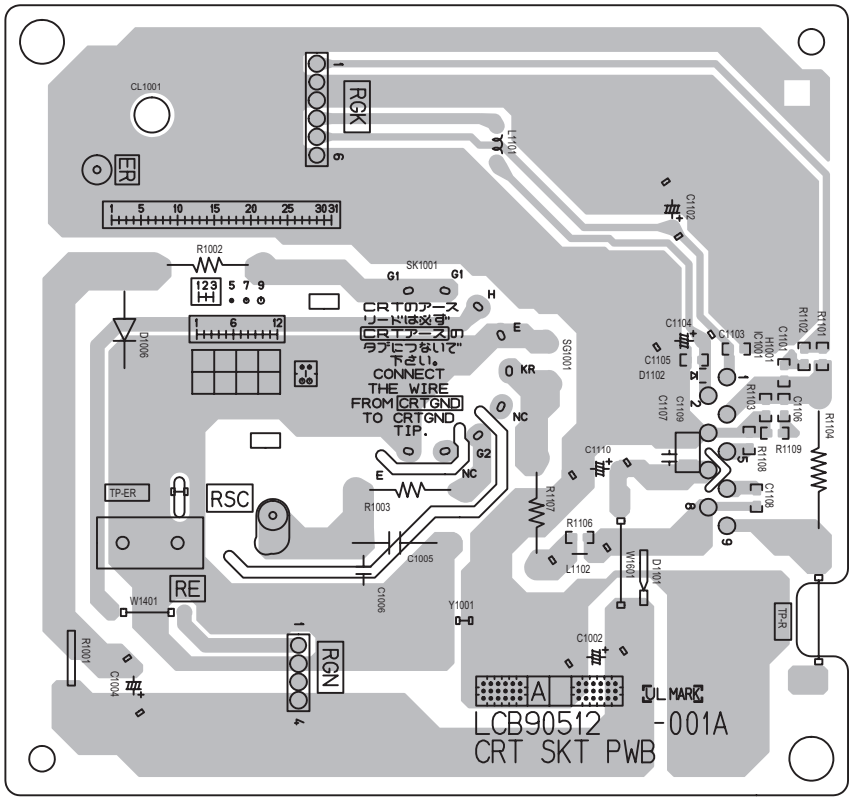
DIGITAL SIGNAL PWB PATTERN [PARTS SIDE]




A面
IC631
CN005
LC1228
LC1226
CB1244
C9024
C9022
C9023
C9021
C9001
CN004
C9002
LC1217
LC1216
LC1255
LC1001
LC1208
LC1223
LC1201
LC1246
LC1213
LC1212
LC1211
LC1209
LC1210
IC105
IC104
IC108
IC005
X3101
C3112
RA3108
RA3107
L8019
L8018
C8064
C8061
C8062
C9004
C8063
R8091
LC1207
LC1224
LC1242
LC1205
LC1241
LC1218
LC1222
LC1221
LC1220
LC1219
RA3101
RA3102
RA3103
RA3104
RA3105
RA3106
C3171
C3172
C3173
C3174
C3175
C3187
C3163
R3185
R3186
C3107
C3128
C106
C9003
R3107
R3106
RB350
RB356
RB365
RB121
CB120
CB382
CB303
L1016
L1015
CB166
CB111
CB181
CB151
CB215
CB522
CB519
LB211
RB526
CB156
CB515
C1067
C3022
QB021
QB022
QB032
QB031
QB011
QB012
QB015
QB1822
CB1255
QB634
QB635
QB641
QB647
QB632
QB633
RB637
CB641
CB647

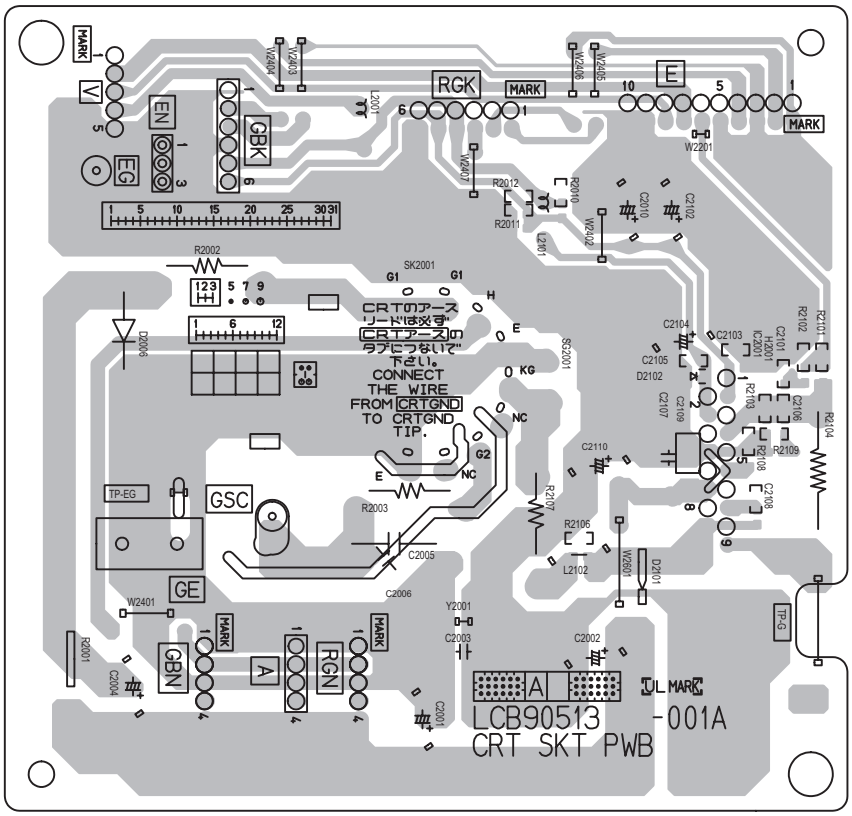
R CRT SOCKET PWB PATTERN

TOP

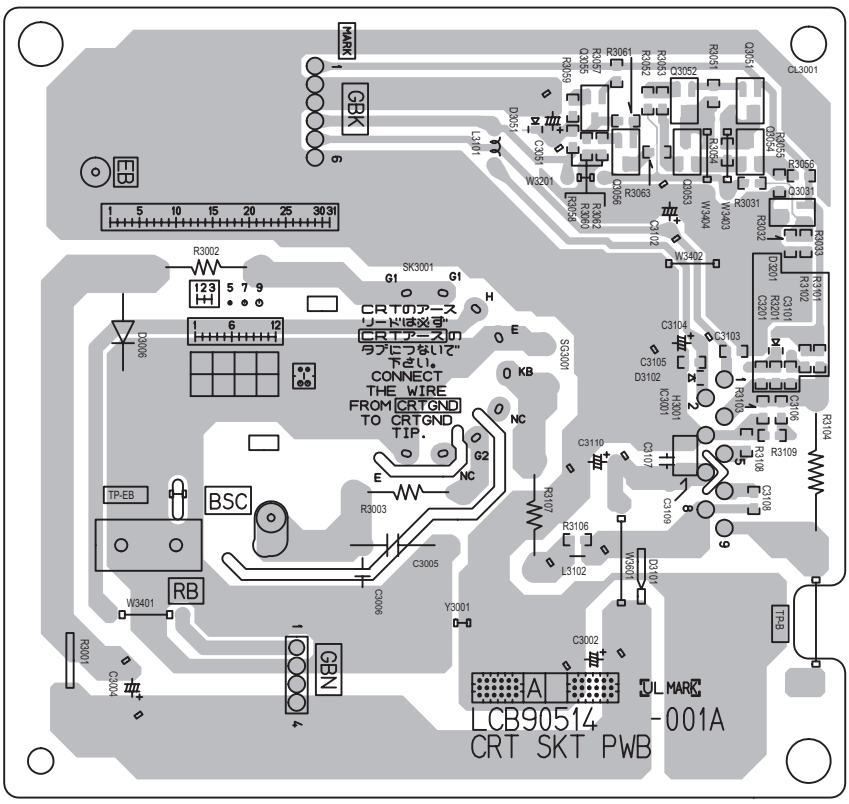


G CRT SOCKET PWB PATTERN

TOP



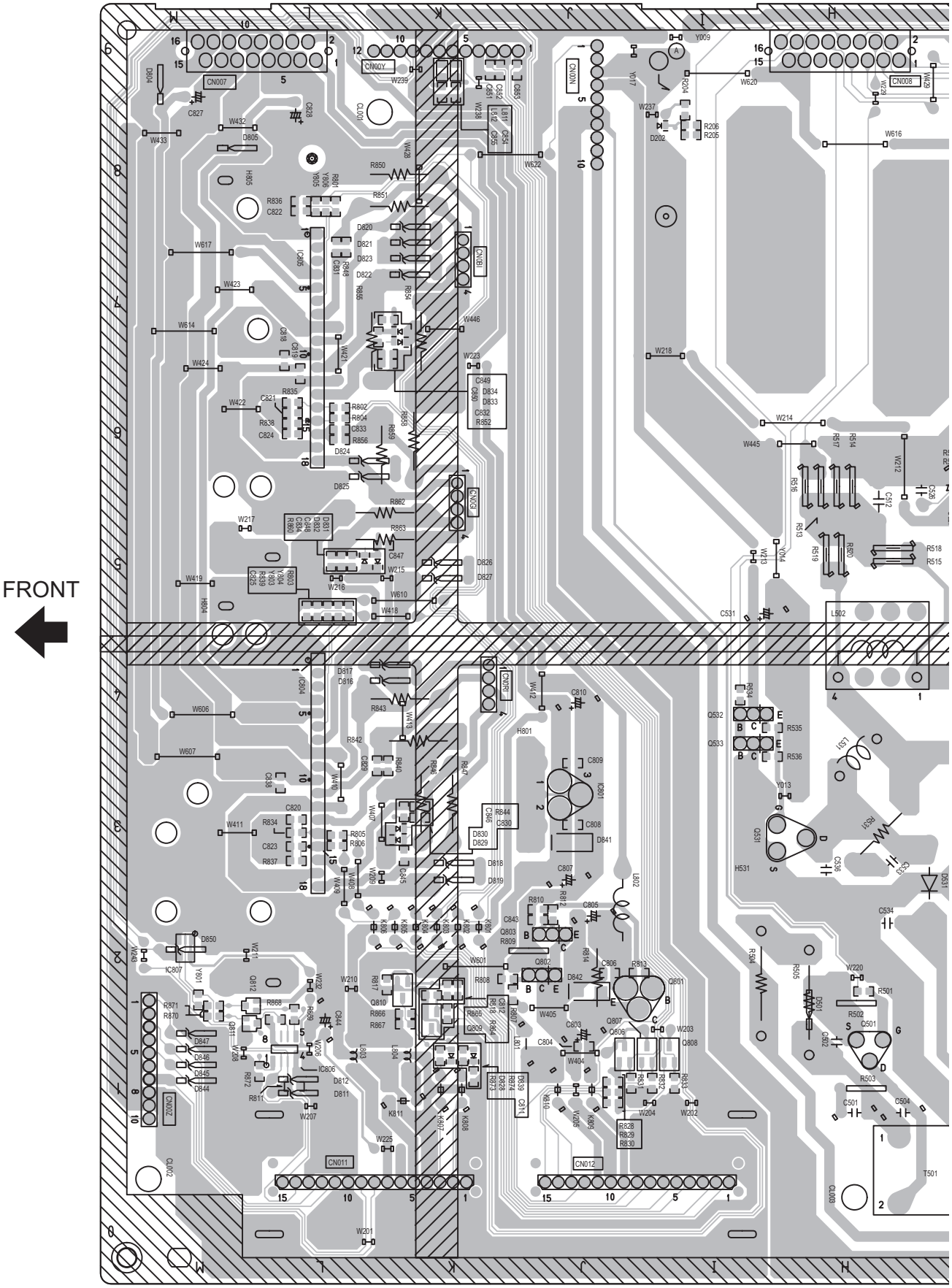
B CRT SOCKET PWB PATTERN

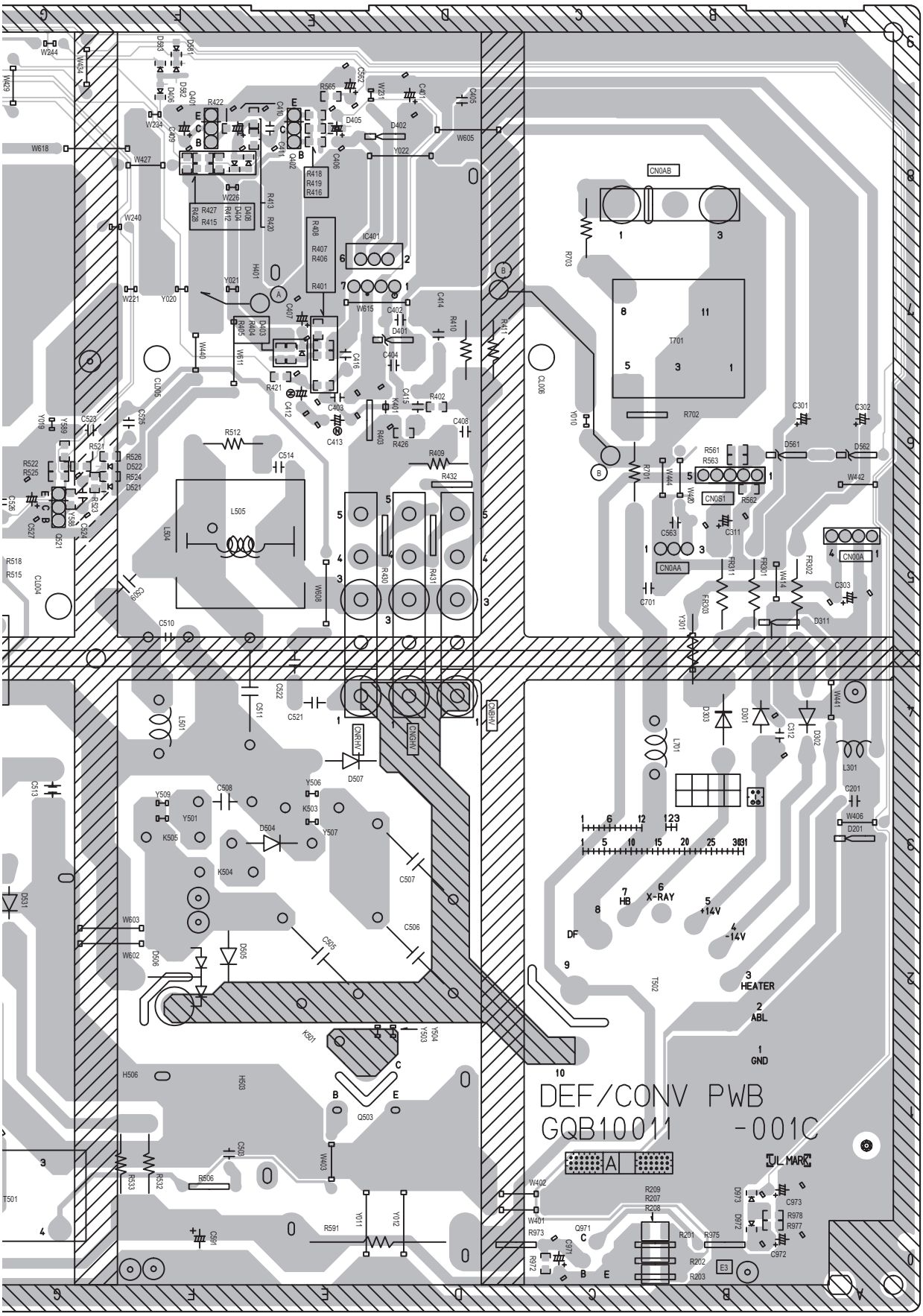


TOP

DEF & CONVERGENCE OUT PWB PATTERN

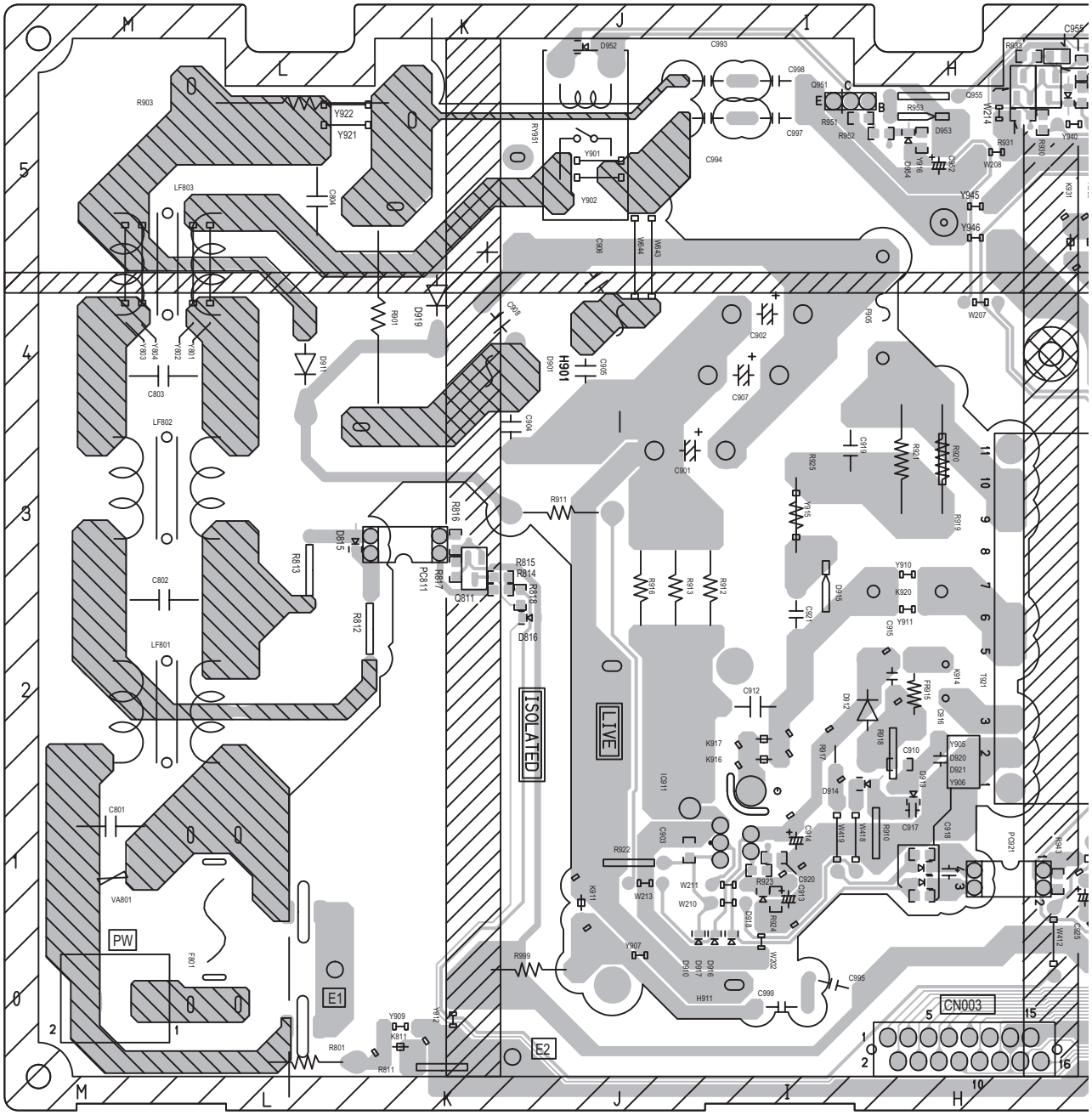
FRONT

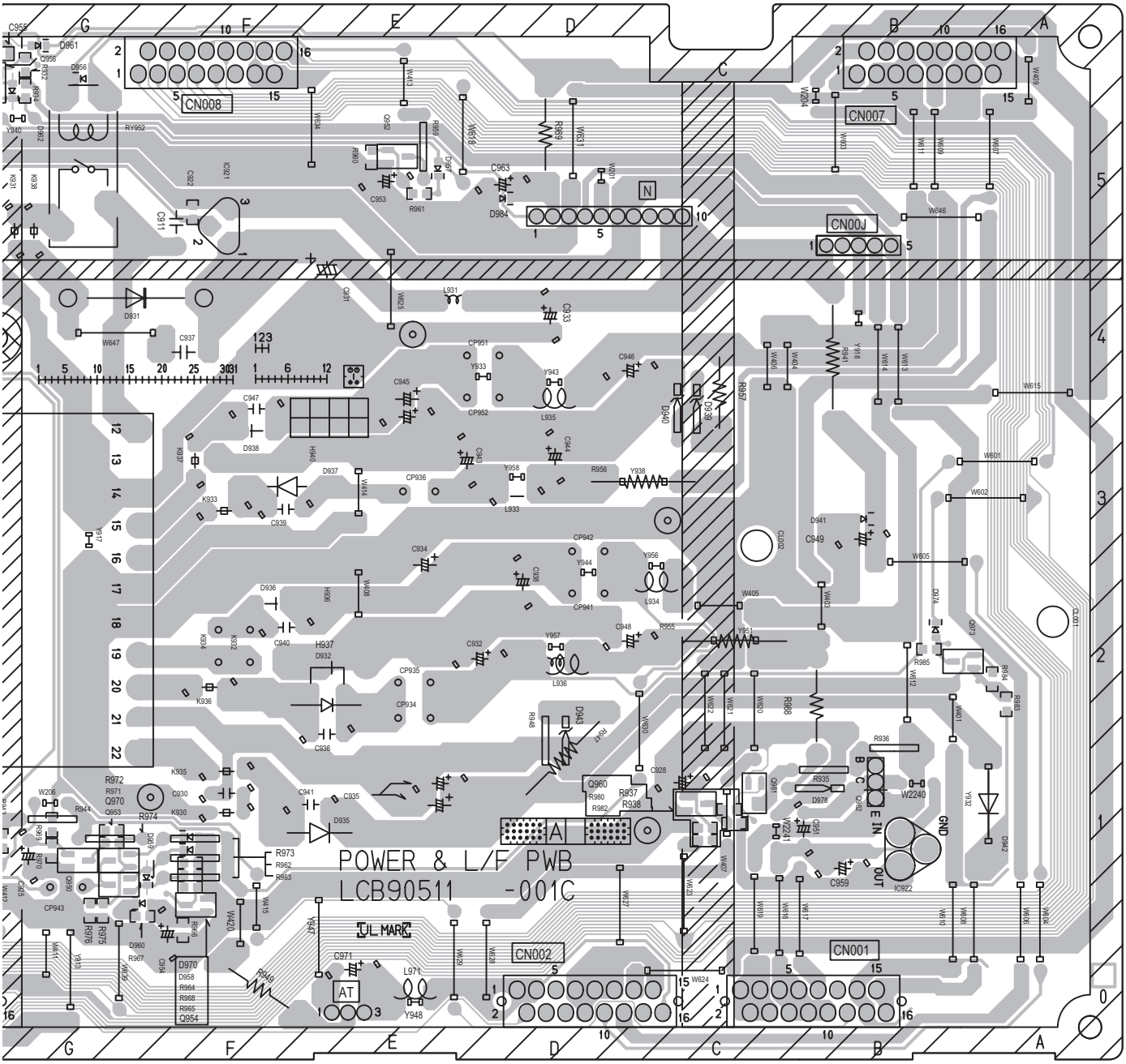



DEF/CONV PWB
GQB10011 -001C
CN0AB
CN0AA
CN0S1
CN90A
CN6HV
T701
T502
T501
IC401
X-RAY
+14V
-14V
HEATER
ABL
GND
HB
DF

POWER PWB PATTERN

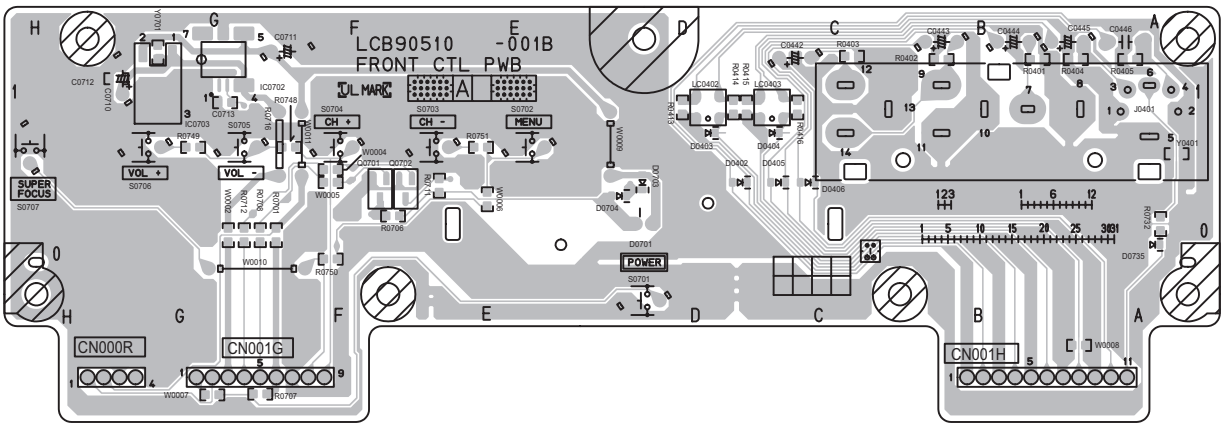
FRONT



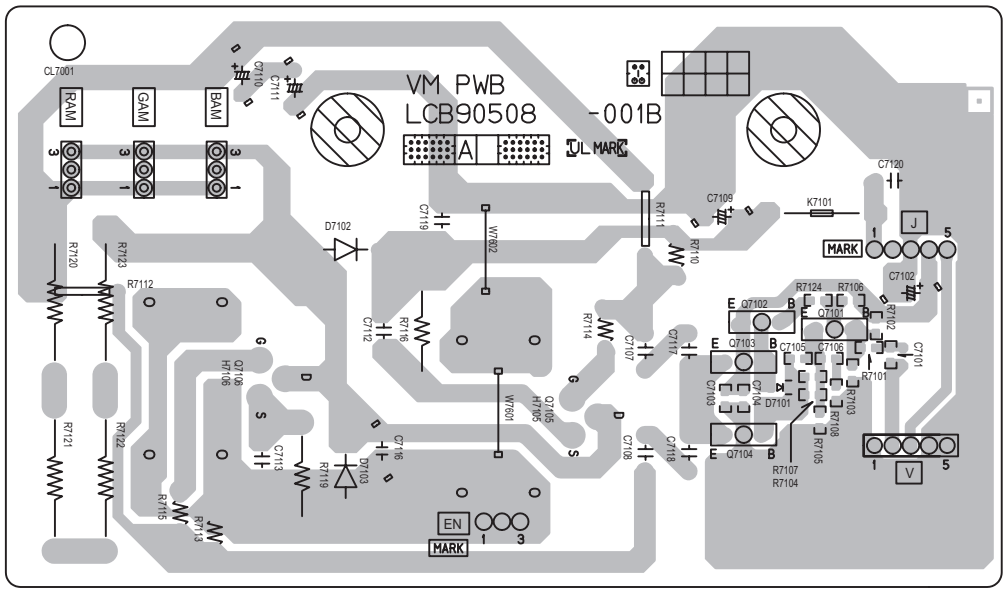

POWER & L/F PWB
LCB90511 -001C
CN008
CN007
CN00J
CN002
CN001
AT
N
A
UL MARK
IN
OUT
GND

FRONT CONTROL PWB PATTERN

TOP

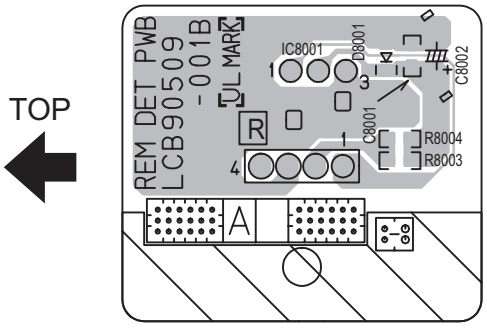


VM PWB PATTERN

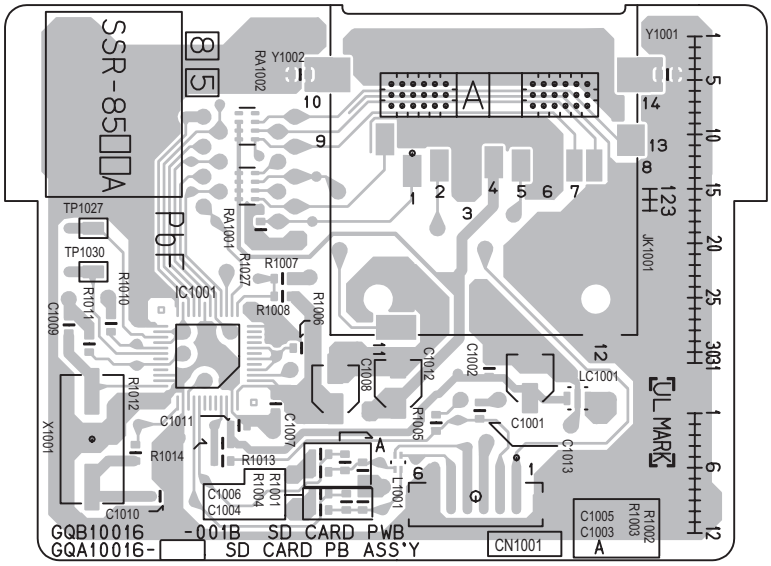


FRONT

REMOTE SENSOR PWB PATTERN



SD CARD PWB PATTERN



VOLTAGE CHARTS

<MAIN PWB>

[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
IC1101	
1	0
2	4.9
3	0
IC1140	
1	4.1
2	4.1
3	4.1
4	4.1
5	4.9
6	4.9
7	0
8	4.1
9	4.1
10	4.1
11	4
12	5.3
13	4.1
14	1.3
15	1.2
16	0
17	4.5
18	9
19	0
20	4.1
21	4.1
22	3.3
23	3.9
24	4.1
25	4
26	4.1
27	4.1
28	1.6
29	4
30	4.1
31	1.6
32	4
33	4.1
34	4.1
35	4.1
36	4.1
37	4
38	4.1
39	4.1
40	4.1
41	2.2
42	4.1
43	4.1
44	4.1
45	4.1
46	4.1
47	4.1
48	4.1
IC1661	
1	0
2	0
3	29.3
4	0
5	0
6	0
7	14.6
8	0.1
9	0
10	30.7
11	10.3
12	14
Q1101	
E	4.9
C	4.7
B	4.2
Q1103	
E	0
C	0
B	0.8
Q1668	
E	0
C	4.7
B	0
Q1669	
E	0
C	0
B	0.6
Q1671	
E	0
C	10.2
B	0
Q1672	
E	0
C	11.8
B	0
Q1673	
E	0
C	0
B	11.8

MODE PIN NO.	DC (V)
Q1674	
E	0
C	0
B	0.6
TU1101	
1	0
2	4.6
3	4.9
4	4.2
5	4.2
6	4.9
7	32.6
8	0
9	1.1
10	2
11	2
12	2.2

[P.2-11 - P.2-12]

MODE PIN NO.	DC (V)
IC1501	
1	4
2	4.5
3	4
4	4.5
5	4.5
6	0.1
7	5
8	4
9	4.5
10	4.3
11	4.5
12	4.2
13	0
14	5
15	4
16	4.7
17	4
18	4.4
19	4.5
20	0
21	5
22	4.2
23	4
24	4.5
25	0
26	4.2
27	4
28	4.5
29	4.4
30	4.6
31	3.6
32	4.5
33	3.7
34	9.1
35	0
36	4.9
37	4.5
38	4.5
39	4.6
40	4.4
41	4.6
42	3.7
43	4.2
44	0
45	4.4
46	1.7
47	4.4
48	2.3
IC2101	
1	0
2	4.9
3	0
Q1531	
E	1
C	9.1
B	1.6
Q2257	
E	0
C	0
B	0
Q2258	
E	0
C	0
B	0
Q2259	
E	0
C	0
B	0
CN5001	
1	3.3
2	3.3
3	0
4	0
5	0
6	0

MODE PIN NO.	DC (V)
7	3.3
8	0
9	0
10	0
11	0

[P.2-13 - P.2-14]

MODE PIN NO.	DC (V)
IC1801	
1	2.9
2	5.4
3	3
4	5.4
5	2.2
6	5.4
7	0
8	1.9
9	5.3
10	2.9
11	5.2
12	2.9
13	5.2
14	2.7
15	5.4
16	2.1
17	5.3
18	4.3
19	4.3
20	0
21	5.3
22	3.5
23	1.6
24	1.6
25	1.5
26	1.5
27	0
28	0.1
29	0.1
30	0.2
31	5.1
32	0.7
33	0
34	1.9
35	2.5
36	2
37	0
38	1.8
39	2.2
40	1.8
41	2.8
42	5.1
43	2.8
44	0
45	1.8
46	5.1
47	2.2
48	5.1
IC1803	
1	0
2	0
3	0
4	0
5	2.8
6	2.8
7	0
8	3.3
IC1812	
1	3.3
2	3.3
3	0.1
4	0
5	0.2
6	0.2
7	3.3
8	3.3
Q1851	
E	2.9
C	0
B	3.3
Q1852	
E	3.3
C	0
B	3.3
Q1853	
E	0
C	3.3
B	0
Q1871	
E	1.5
C	0
B	0.7
Q1881	
E	2.6
C	0
B	1.9

MODE PIN NO.	DC (V)
Q1891	
E	2.7
C	0
B	2
NC5002	
1	0
2	1.1
3	0
4	0.8
5	0
6	1.1
7	0
8	0.8
9	0
10	1.2

[P.2-15 - P.2-16]

MODE PIN NO.	DC (V)
IC1301	
1	0.1
2	0
3	0
4	0
5	0
6	4.1
7	4.1
8	0
9	4.3
10	4.3
11	4.3
12	0
13	4.3
14	0
15	4.3
16	9.1
17	0
18	0
19	2.9
20	0
21	3
22	0
23	2.9
24	0
25	3
26	4.4
27	9
28	9
29	9
30	9
31	1.8
32	1.8
33	1.8
34	0.3
35	5.3
36	4.6
37	5.5
38	5.3
39	5.3
40	4.5
41	8.2
42	0
43	5
44	4.9
45	0
46	0
47	0.4
48	0.1
IC1402	
1	2.8
2	2.8
3	2.8
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	1.2
IC1403	
1	0.4
2	3.3
3	0.1
4	0
5	0
6	0
7	2.8
8	3.3
Q1305	
E	0
C	0
B	0

MODE PIN NO.	DC (V)
Q1308	
E	8.2
C	9
B	8.8
Q1309	
E	8.9
C	0
B	10
Q1310	
E	3.6
C	0
B	2.9
Q1311	
E	3.7
C	0
B	3
Q1312	
E	3.6
C	0
B	2.9
Q1313	
E	2.9
C	9
B	3.6
Q1314	
E	3
C	9
B	3.7
Q1315	
E	2.9
C	9
B	3.6

[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
IC1701	
1	3.3
2	3.3
3	0
4	0
5	3.3
6	0
7	3.3
8	0
9	3.3
10	3.3
11	0
12	2.8
13	0
14	1.8
15	1.8
16	4.9
17	1.1
18	4.9
19	0
20	0
21	1.4
22	3.3
23	0
24	0
25	3.3
26	0
27	0
28	1
29	3.3
30	1
31	1.9
32	3.3
33	1.7
34	2.4
35	1.5
36	0
37	0
38	0.9
39	0.4
40	1.9
41	3.3
42	3.3
43	0
44	0
45	3.2
46	3.3
47	3.2
48	3.2
49	0
50	3.2
51	0
52	3.3
53	3.3
54	.
55	3.2
56	3.2
57	1.4
58	0
59	0
60	0

MODE PIN NO.	DC (V)
61	3
62	0
63	0
64	0
65	2
66	2.8
67	3.3
68	3.3
69	3.3
70	2.8
71	2.8
72	3.1
73	3.3
74	0
75	1.6
76	1.6
77	3.3
78	4.1
79	1.3
80	4
81	3.3
82	3.3
83	0
84	0
IC1702	
1	3.3
2	3.3
3	0
4	
IC1703	
1	0
2	0
3	0
4	5
Q1701	
E	1.1
C	4.9
B	1.7
Q1702	
E	3.3
C	3.2
B	2.7
Q1703	
E	3.3
C	3.3
B	2.7
Q1704	
E	3.3
C	3.2
B	2.7
Q1706	
E	1.7
C	4.9
B	2.2
Q1707	
E	2.6
C	4.9
B	2.2
Q1710	
E	1.1
C	4.9
B	1.7
Q1711	
E	1.9
C	0
B	2.6
Q1715	
E	3.5
C	4.9
B	4.1
Q1716	
E	1.3
C	4.9
B	1.9
CN1004	
1	1.9
2	0
3	2
4	0
5	2
6	0
7	0
8	5
9	0
10	0
11	0
12	0
13	0
14	0
15	5.4
16	4.7
17	5
18	4.98
19	1
20	2
21	4.4
22	1

MODE PIN NO.	DC (V)
23	0
24	3.3
25	0
26	0.1
27	0
28	0
29	4.1
30	3.3
31	3.2
32	0
33	2.3
34	2.3
35	0
36	3.3
37	0
38	0
39	0
40	0
41	0
42	3.3
43	0
44	3.3
45	3.3
46	0
47	3.3
48	4
49	0
50	9
51	0
52	2.3
53	0
54	3.3
55	3.3

[P.2-19 - P.2-20]

MODE PIN NO.	DC (V)
IC1401	
1	2.5
2	0
3	0
4	0
5	3.4
6	3.4
7	3.4
8	0
9	0.3
10	3.5
11	4.1
12	0
13	0.9
14	2.6
15	9.1
16	4.6
17	9.1
18	0.8
19	6.1
20	4.4
21	0
22	5.1
23	4.8
24	2.9
25	5.9
26	4
27	4
28	0
29	0
30	3.1
31	3.1
32	0
33	0
34	0.5
35	0
36	0.5
37	0
38	0
39	0
40	0
41	0
42	9.1
43	4.9
44	4.2
45	2.5
46	5
47	1.9
48	2.5
Q1401	
E	0
C	6.7
B	0.6

[P.2-21 - P.2-22]

MODE PIN NO.	DC (V)
IC1902	
1	5
2	3.3
3	0
IC1911	
1	5
2	3.3
3	0
4	5
IC1941	
1	28.9
2	9.1
3	0
4	1.2
5	6.7
IC1942	
1	28.9
2	9.1
3	0
4	1.2
5	6.7
IC1943	
1	29
2	5.2
3	0
4	1.2
5	6.7
IC1981	
1	29
2	2.8
3	0
4	1.2
5	6.8
IC1991	
1	14.8
2	11.9
3	0
4	2.5
IC1993	
1	0
2	0
3	0
4	3.4
5	6.3
6	0
7	6.4
Q1915	
E	0
C	6.7
B	0
Q1916	
E	0
C	6.7
B	0
Q1983	
E	0
C	6.7
B	0
Q1961	
E	0
C	0.6
B	0
Q1962	
E	0
C	0
B	0
Q1963	
E	0
C	0
B	2.8
Q1964	
E	0
C	6.7
B	0
Q1965	
E	0
C	0
B	2.8
CN6001	
1	0
2	9.1
3	0
4	2.4
5	0
6	3.3
7	0
8	4.9
9	31.3

<DIGITAL SIGNAL PWB>

[P.2-23 - P.2-24]

MODE PIN NO.	DC (V)
IC005	
1	3.2
2	0
3	0
4	0.1
5	5
IC013	
1	0
2	0
3	0.1
4	0
5	0
6	0
7	0
8	3.3
IC014	
1	3.3
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	3.3
ICB001	
1	0
2	1.6
3	0
4	0.1
5	5
ICB002	
1	0
2	2.4
3	0
4	0
5	5
ICB003	
1	0
2	2.4
3	0
4	0
5	5
QB011	
E	1.2
C	4.2
B	1.9
QB012	
E	4.9
C	1.4
B	4.2
QB014	
E	2.1
C	1.4
B	1.4
QB015	
E	1.6
C	0
B	0.8
QB019	
E	1
C	5
B	1.6
QB021	
E	1.3
C	4.2
B	2
QB022	
E	4.9
C	1.5
B	4.2
QB024	
E	2.3
C	1.5
B	1.5
QB031	
E	0
C	4.2
B	2
QB032	
E	4.9
C	1.5
B	4.2
QB034	
E	2.3
C	0
B	1.5

MODE PIN NO.	DC (V)
QB151	
E	2.4
C	0
B	1.6
QB152	
E	1.7
C	0
B	2.3
QB181	
E	2.4
C	0
B	1.6
QB182	
E	1.7
C	0
B	2.4
QB1811	
E	3.3
C	3.3
B	3.3
QB1812	
E	3.3
C	3.3
B	3.3
QB1821	
E	2.7
C	4
B	3.3
QB1822	
E	2.7
C	4.1
B	3.3

[P.2-25 - P.2-26]

MODE PIN NO.	DC (V)
IC3101	
1	3.3
2	0.3
3	0.2
4	0.1
5	0
6	0.1
7	0.4
8	0.4
9	3.3
10	0.4
11	0.4
12	0.4
13	0
14	0.2
15	0.2
16	0.2
17	1.5
18	3.3
19	3.4
20	1.6
21	3
22	3.1
23	3.3
24	1.5
25	1.7
26	0
27	1.3
28	1.5
29	1.4
30	1.3
31	1.6
32	0
33	1.6
34	1.5
35	1.1
36	1.4
37	1
38	0
39	1.3
40	0
41	1.8
42	1.5
43	0
44	1.5
45	0
46	0
47	1.6
48	0
49	0
50	0
51	0
52	0
53	1.4
54	0
55	0
56	0.6
57	1.6
58	1.7
59	1.5
60	0

MODE PIN NO.	DC (V)
61	1.8
62	1.3
63	1.5
64	1.5
65	0.1
66	0
67	0
68	2.5
69	0
70	3.3
71	0
72	1.5
73	2.7
74	0
75	3
76	1.6
77	2.5
78	3.3
79	0
80	0
81	1.3
82	1.3
83	1.3
84	1.2
85	1.2
86	1.5
87	1.2
88	1.4
89	1.3
90	1.3
91	1.9
92	0
93	0
94	0
95	0
96	0
97	0
98	0
99	3.3
100	0.2
101	0.2
102	0
103	1.5
104	0
105	0
106	0
107	0
108	0
109	0
110	1.5
111	0
112	0
113	3.3
114	0
115	0
116	0
117	1.4
118	1.5
119	1
120	1.1
121	0.9
122	1.9
123	0.9
124	2.4
125	0.9
126	3.3
127	0
128	0
129	0
130	0
131	0
132	0
133	0
134	0
135	0
136	0
137	3.3
138	0
139	0
140	0
141	0
142	0
143	0.1
144	0
IC3107	
1	3.3
2	1.3
3	1.4
4	0
5	1
6	1.1
7	3.3
8	1.4
9	0
10	0
11	1.7
12	1.5

MODE PIN NO.	DC (V)
13	3.3
14	0
15	3.1
16	3
17	3
18	2.8
19	0.6
20	0.3
21	0.2
22	0.2
23	0.2
24	0.4
25	3.3
26	0
27	0.4
28	0.4
29	0.4
30	0.4
31	0.1
32	0.1
33	0
34	3.3
35	1.7
36	0
37	0
38	3.3
39	1
40	1.5
41	0
42	1.6
43	1.7
44	3.3
45	1.4
46	1.5
47	0
48	0
49	1.5
50	0
IC3108	
1	3.3
2	3.3
3	0
4	3.3
5	3.3
IC3111	
1	0
2	0
3	0
4	5
5	3.3

[P.2-27 - P.2-28]

MODE PIN NO.	DC (V)
IC104	
1	0
2	0
3	0
4	0
5	0
6	3.3
7	3.3
8	3.3
IC105	
1	0
2	0
3	0
4	0
5	3.3
4	0
5	0
6	0
7	0
8	3
IC107	
1	2.2
2	2.2
3	1
4	1.2
5	0
IC106	
1	3.3
2	3.3
3	0
4	0
IC205	
1	3.3
2	0
3	0
IC206	
1	3.3
2	0.6
3	0
4	0.6
5	3.3

MODE PIN NO.	DC (V)
IC631	
1	6.1
2	0
3	0
4	0
5	9
IC1004	
1	0
2	0
3	1.1
4	1.1
5	2.2
6	2.2
7	2.2
8	1.1
IC3501	
1	1.1
2	2.2
3	1.1
4	1.1
5	0
6	1.1
7	1.1
8	0
9	1.1
10	1.1
11	0
12	1.1
13	1.1
14	2.2
15	2.2
16	0
17	1.1
18	1.1
19	0
20	1.1
21	1.1
22	2.2
23	0.4
24	0.4
25	1.5
26	1.5
27	1.5
28	0
29	0.6
30	0.6
31	0.6
32	0.6
33	0.6
34	0.6
35	2.2
36	0.6
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.6
46	0
47	0.6
48	0.6
49	0.6
50	0.6
51	0.6
52	0
53	1.5
54	1.3
55	1.1
56	0.4
57	0.4
58	1.1
59	2.2
60	1.1
61	1.1
62	0
63	0
64	1.1
65	2.2
66	0
67	2.2
68	1
69	1.1
70	0
71	1.1
72	1.1
73	1.1
74	2.2
75	1.1
76	0
77	0
78	1.1
79	2.2
80	1
81	1.1

MODE PIN NO.	DC (V)
82	0
83	0
84	1.1
85	0
86	2.2
87	0
88	0
89	0
90	0
91	0
92	0
93	0
94	1.1
95	2.2
96	0
97	1.1
98	1.1
99	0
100	1.1
IC3502	
1	1.1
2	2.2
3	1.1
4	1.1
5	0
6	1.1
7	1.1
8	2.2
9	1.1
10	1.1
11	0
12	1.1
13	1.1
14	2.2
15	2.2
16	0
17	1.1
18	1.1
19	0
20	1.1
21	1.1
22	2.2
23	0.4
24	0.4
25	1.5
26	1.5
27	1.5
28	0
29	0.6
30	0.6
31	0.6
32	0.6
33	0.6
34	0.6
35	2.2
36	0.6
37	0
38	0
39	0
40	0
41	0
42	0
43	0
44	0
45	0.6
46	0
47	0.6
48	0.6
49	0.6
50	0.6
51	0.6
52	0
53	1.5
54	1.5
55	1.4
56	0.6
57	0.4
58	1.1
59	2.2
60	1.1
61	1.1
62	0
63	1.1
64	1.1
65	2.2
66	0
67	2.2
68	1.1
69	1.1
70	0
71	1.1
72	1.1
73	2.2
74	1.1
75	1.1
76	0
77	1.1

MODE PIN NO.	DC (V)
QB634	
E	1.7
C	6.1
B	2.4
QB635	
E	5.4
C	9
B	6.1
QB636	
E	9
C	0
B	9
QB637	
E	0
C	9
B	0

<R CRT SOPCKET PWB>
[P.2-29 - P.2-30]

MODE PIN NO.	DC (V)
IC1001	
1	2.8
2	11.8
3	2.8
4	0
5	6.6
6	217
7	153.5
8	154.7
9	152.2

<G CRT SOPCKET PWB>
[P.2-31- P.2-32]

MODE PIN NO.	DC (V)
IC2001	
1	2.8
2	11.8
3	2.8
4	0
5	6.1
6	217
7	146.8
8	148.1
9	145.8

<B CRT SOPCKET PWB>
[P.2-33 - P.2-34]

MODE PIN NO.	DC (V)
IC3001	
1	2.8
2	11.8
3	2.8
4	0
5	7.7
6	217
7	148.3
8	149.4
9	147.3
Q3031	
E	2.8
C	0
B	3.6

<DEF & CONVERGENCE OUT PWB>
[P.2-35 - P.2-36]

MODE PIN NO.	DC (V)
IC401	
1	2.2
2	15
3	-14.5
4	-15.3
5	0.1
6	14.7
7	2.2
Q401	
E	0
C	1.9
B	-0.2
Q402	
E	0.1
C	11.8
B	0
Q501	
E	0
C	34.2
B	3.8
Q503	
E	0
C	141
B	32.7
Q521	
E	1.4
C	11.9
B	1.7
Q531	
S	0
D	32.5
G	6.3
Q532	
E	6.4
C	11.9
B	6.6
Q533	
E	6.3
C	0
B	6.6

[P.2-37 - P.2-38]

MODE PIN NO.	DC (V)
IC801	
1	14.8
2	5
3	0
IC804	
1	0
2	2.8
3	-28.3
4	-29.3
5	28.8
6	0.1
7	0.1
8	-28.9
9	0.1
10	28.9
11	0.9
12	-28.9
13	0.6
14	0.7
15	0.1
16	0.1
17	-28.9
18	0.2
IC805	
1	0
2	2.8
3	-28.3
4	-29.3
5	28.7
6	-0.3
7	-0.3
8	-29.9
9	-0.4
10	28.9
11	0.2
12	-28.9
13	0
14	0.1
15	0.1
16	0
17	-28.9
18	0.1
IC807	
1	3.3
2	3.3
3	0
4	3.3
5	3.3
Q806	
E	0
C	5
B	0

MODE PIN NO.	DC (V)
Q807	
E	0
C	5
B	0
Q808	
E	0
C	5
B	0
Q809	
E	0
C	0.2
B	0.6
Q810	
E	0
C	0.8
B	0.4
CN0011	
1	0
2	0.2
3	0.8
4	0
5	4.9
6	3.3
7	4.9
8	0
9	0
10	0
11	0
12	0
13	0
14	3.2
15	3.3
CN0012	
1	0.8
2	-0.1
3	0
4	0.2
5	-0.1
6	0
7	-0.2
8	-0.1
9	-0.3
10	0
11	4.9
12	0
13	0
14	0
15	0

<POWER PWB>
[P.2-39 - P.2-40]

MODE PIN NO.	DC (V)
IC921	
1	141.5
2	27.1
3	0
IC922	
1	11.6
2	0
3	5
Q950	
E	0
C	0
B	0.7
Q952	
E	0
C	0.1
B	0.7
Q953	
E	6.8
C	27
B	6.54
Q954	
E	0
C	0
B	0.6
Q955	
E	0
C	0
B	18.8
Q956	
E	0
C	2.8
B	0
Q960	
E	0
C	0
B	2.2
Q961	
E	0
C	29
B	0
Q962	
E	29
C	11.6
B	29
Q970	
E	2.8
C	27
B	2.8
PC811	
1	0.2
2	27.1
3	48.7
4	48.3
PC921	
1	28
2	27
3	6.7
4	19.9

<VM PWB>
[P.2-41 - P.2-42]

MODE PIN NO.	DC (V)
Q7101	
E	3.1
C	28.3
B	3.8
Q7102	
E	29
C	15
B	28.3
Q7103	
E	14.5
C	29
B	15
Q7104	
E	14.5
C	0
B	14.3
Q7105	
E	141.2
C	59
B	140.1
Q7106	
E	0
C	59
B	0.9

<FRONT CONTROL PWB>
[P.2-43 - P.2-44]

MODE PIN NO.	DC (V)
Q0701	
E	0
C	0.1
B	0.4
Q0702	
E	0
C	2.9
B	0

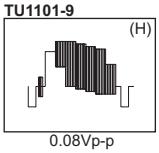
<REMOTE SENSOR PWB>
[P.2-45]

MODE PIN NO.	DC (V)
IC8001	
1	3.2
2	4.9
3	0

WAVEFORMS

MAIN PWB(1/7)

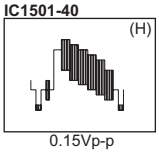
TU1101-9



0.08Vp-p

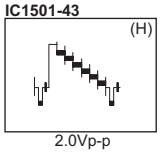
MAIN PWB(2/7)

IC1501-40



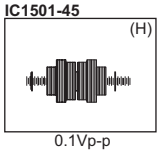
0.15Vp-p

IC1501-43



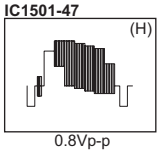
2.0Vp-p

IC1501-45



0.1Vp-p

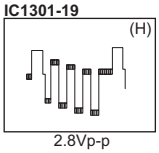
IC1501-47



0.8Vp-p

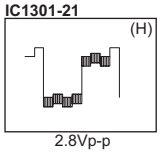
MAIN PWB(4/7)

IC1301-19



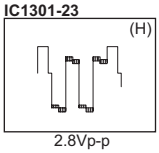
2.8Vp-p

IC1301-21



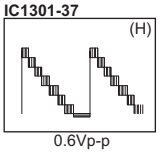
2.8Vp-p

IC1301-23



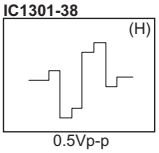
2.8Vp-p

IC1301-37



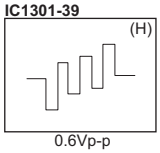
0.6Vp-p

IC1301-38



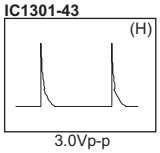
0.5Vp-p

IC1301-39



0.6Vp-p

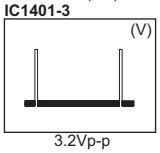
IC1301-43



3.0Vp-p

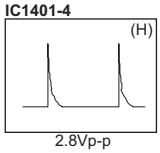
MAIN PWB(6/7)

IC1401-3



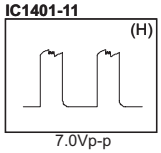
3.2Vp-p

IC1401-4



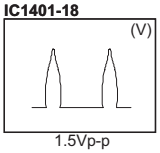
2.8Vp-p

IC1401-11



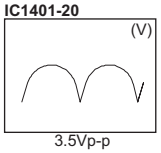
7.0Vp-p

IC1401-18



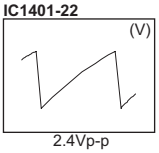
1.5Vp-p

IC1401-20



3.5Vp-p

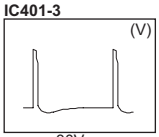
IC1401-22



2.4Vp-p

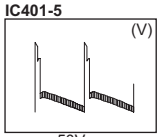
DEF & CONVERT PWB

IC401-3



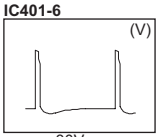
30Vp-p

IC401-5



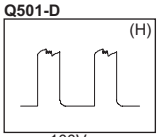
50Vp-p

IC401-6



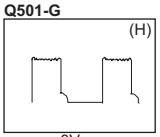
30Vp-p

Q501-D



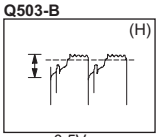
100Vp-p

Q501-G



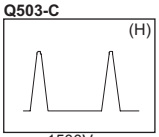
8Vp-p

Q503-B



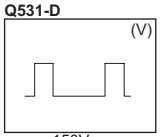
0.5Vp-p

Q503-C



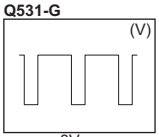
1500Vp-p

Q531-D



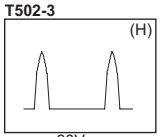
150Vp-p

Q531-G



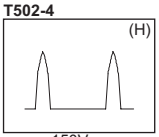
8Vp-p

T502-3



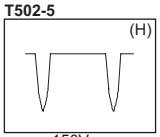
30Vp-p

T502-4



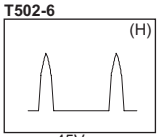
150Vp-p

T502-5



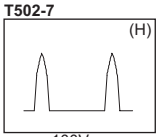
150Vp-p

T502-6



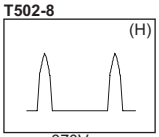
45Vp-p

T502-7



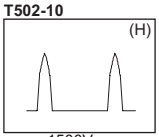
100Vp-p

T502-8



370Vp-p

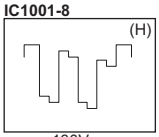
T502-10



1500Vp-p

R CRT SOCKET PWB

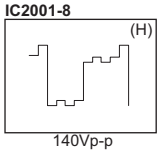
IC1001-8



130Vp-p

G CRT SOCKET PWB

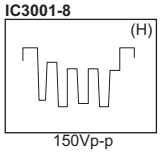
IC2001-8



140Vp-p

B CRT SOCKET PWB

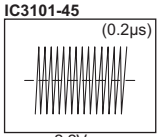
IC3001-8



150Vp-p

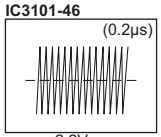
DIGITAL SIGNAL PWB(3/4)

IC3101-45



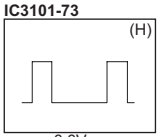
2.2Vp-p

IC3101-46



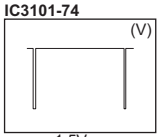
2.2Vp-p

IC3101-73



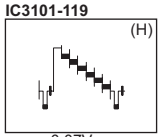
3.3Vp-p

IC3101-74



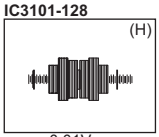
1.5Vp-p

IC3101-119



0.07Vp-p

IC3101-128



0.01Vp-p

JVC
Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.YA318)

Printed in Japan
VPT

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT 3-3
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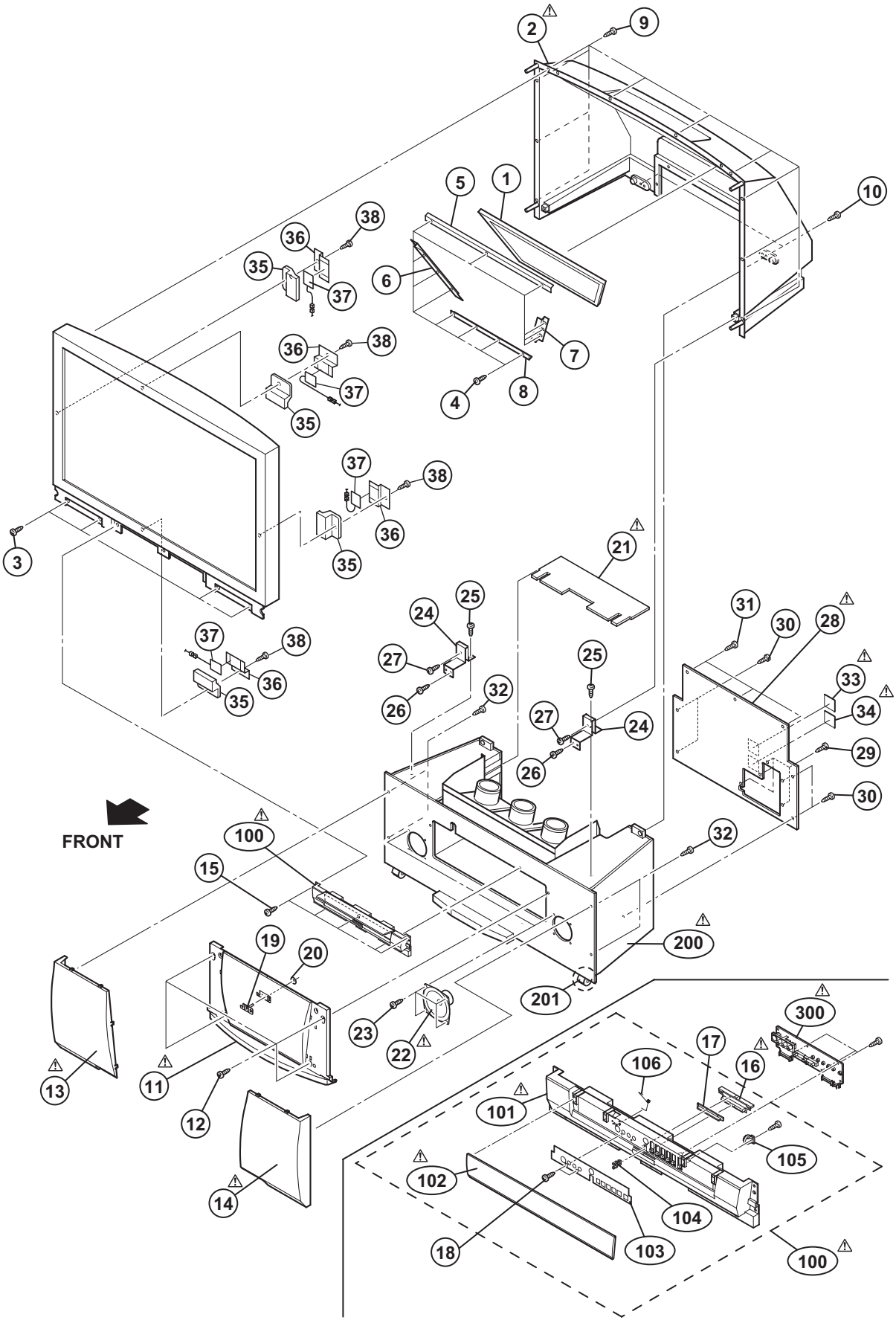
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y	AV-48P776/H	AV-48P786/H	AV-56P776/H	AV-56P786/H
MAIN P.W.B	SSR-1010A-M2	←	SSR-1012A-M2	←
DEF & CONVERGENCE OUT P.W.B	SSR-2010A-M2	←	←	←
R CRT SOCKET P.W.B	SSR-3101A-M2	←	←	←
G CRT SOCKET P.W.B	SSR-3201A-M2	←	←	←
B CRT SOCKET P.W.B	SSR-3301A-M2	←	←	←
VM P.W.B	SSR-7201A-M2	←	←	←
REMOTE SENSOR P.W.B	SSR-8001A-M2	←	←	←
SD CARD P.W.B	SSR-8501A-M2	←	←	←
POWER P.W.B	SSR-9001A-M2	←	←	←
DIGITAL SIGNAL P.W.B	SSR0D010A-M2	←	SSR0D011A-M2	←
FRONT CONTROL P.W.B	SSR0L010A-M2	←	←	←
DIGITAL CONVERGENCE MODULE P.W.B	SSR0K010A-M2	←	SSR0K011A-M2	←
ATSC TUNER MODULE PWB	SSD-2201A-M2	←	←	←
REMOTE CONTROL UNIT	RM-C1270G-1H	←	←	←

EXPLODED VIEW PARTS LIST -1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC32441-003A-A	"48" GLASS MIRRO"		AV-48P776/H,AV-48P786/H
	1	LC32173-002A-A	"56" GLASS MIRRO"		AV-56P776/H,AV-56P786/H
⚠	2	LC11247-001D-A	BACK COVER		AV-48P776/H,AV-48P786/H
⚠	2	LC11407-001D-A	BACK COVER		AV-56P776/H,AV-56P786/H
	3	QYSBSAG4018MA	TAP SCREW	M4 x 18mm(x4)	
	4	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x13)	
	5	LC21316-002A-A	MIRROR HOLDER TOP		
	6	LC21311-003A-A	MIRROR HOLDER LEFT		
	7	LC21311-004A-A	MIRROR HOLDER RIGHT		
	8	LC21317-002A-A	MIRROR HOLDER BOTTOM		
	9	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x10)	
	10	QYSBSAG4018MA	TAP SCREW	M4 x 18mm(x2)	
⚠	11	LC11800-003A-A	CENTER PANEL		AV-48P776/H,AV-56P776/H
⚠	11	LC11800-004A-A	CENTER PANEL		AV-48P786/H,AV-56P786/H
	12	QYSBSAG4018MA	TAP SCREW	M4 x 18mm(x4)	
⚠	13	LC11794-001C-A	SPEAKER GRILL LEFT		AV-48P776/H
⚠	13	LC11794-002A-A	SPEAKER GRILL LEFT		AV-48P786/H
⚠	13	LC11863-001C-A	SPEAKER GRILL LEFT		AV-56P776/H
⚠	13	LC11799-004E-A	SPEAKER GRILL LEFT		AV-56P786/H
⚠	14	LC11866-001C-A	SPEAKER GRILL RIGHT		AV-48P776/H
⚠	14	LC11866-002A-A	SPEAKER GRILL RIGHT		AV-48P786/H
⚠	14	LC11818-001C-A	SPEAKER GRILL RIGHT		AV-56P776/H
⚠	14	LC11799-003E-A	SPEAKER GRILL RIGHT		AV-56P786/H
	15	QYSBSAG4018MA	TAP SCREW	M4 x 18mm(x5)	
⚠	16	LC21576-001B-A	KNOB		AV-48P776/H,AV-56P776/H
⚠	16	LC21576-002C-A	KNOB		AV-48P786/H,AV-56P786/H
	17	LC32555-001C-A	LED LENS		
	18	QYSBSF3012MA	TAP SCREW	M3 x 12mm(x2)	
	19	LC32412-002A-C	JVC MARK		
	20	QYNSS3000P	PUSH NUT	M3	
⚠	21	LC21490-003A-A	SHADING BOARD		
⚠	22	QAS0319-001	SPEAKER	SP01/SP02(x2)	
	23	QYSBSA4012MA	TAP SCREW	M4 x 12mm(x8)	
	24	LC32645-001A-A	BC FIT	(x2)	
	25	QYSPSPD4020ZA	SCREW	M4 x 20mm(x2)	
	26	QYSBSA4012MA	TAP SCREW	M4 x 12mm(x2)	
	27	QYSBSG4012ZA	TAP SCREW	M4 x 12mm(x2)	
⚠	28	LC21491-004A-A	BACK BOARD		
	29	QYSBSFG4016ZA	TAP SCREW	M4 x 16mm(x5)	
	30	QYSBSAG4018MA	TAP SCREW	M4 x 18mm(x4)	
	31	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x3)	
	32	QYSBSFG4020MA	TAP SCREW	M4 x 20mm(x4)	
⚠	33	LC31139-001A-A	RATING LABEL		
⚠	34	LC32925-001A-A	LICENSE LABEL		AV-48P776/H
⚠	34	GQ40068-001A-A	LICENSE LABEL		AV-48P786/H,AV-56P776/H,AV-56P786/H
	35	LC32188-002A-A	SENSOR HOLDER	(x4)	
	36	LC32188-001C-A	SENSOR HOLDER	(x4)	
	37	QSD0008-001	PHOTO SENSOR	(x4)	
	38	QYSBSG4016ZA	TAP SCREW	M4 x 16mm(x4)	
⚠	100	LC21639-009A-A	CONTROL ASSY	Inc.101-106	AV-48P776/H,AV-56P776/H
⚠	100	LC21639-010A-A	CONTROL ASSY	Inc.101-106	AV-48P786/H,AV-56P786/H
⚠	101	LC11788-003B-A	CONTROL BASE		AV-48P776/H
⚠	101	LC11788-004B-A	CONTROL BASE		AV-48P786/H
⚠	101	LC11788-009A-A	CONTROL BASE		AV-56P776/H
⚠	101	LC11788-010A-A	CONTROL BASE		AV-56P786/H
⚠	102	LC11786-005A-A	DOOR		AV-48P776/H,AV-56P776/H
⚠	102	LC11786-006A-A	DOOR		AV-48P786/H,AV-56P786/H
	103	LC21486-001B-A	OPERATION SHEET		
	104	PU60109	CATCHER		
	105	QZW0055-003	DAMPER		
	106	LC41776-001A-A	SPRING		
⚠	200	LC11796-002A-A	BODY		AV-48P776/H,AV-48P786/H
⚠	200	LC11806-002A-A	BODY		AV-56P776/H,AV-56P786/H
	201	GQ30082-001A-A	CASTER	(x4)	
⚠	300	SSR0L010A-M2	FRONT CONTROL PWB		

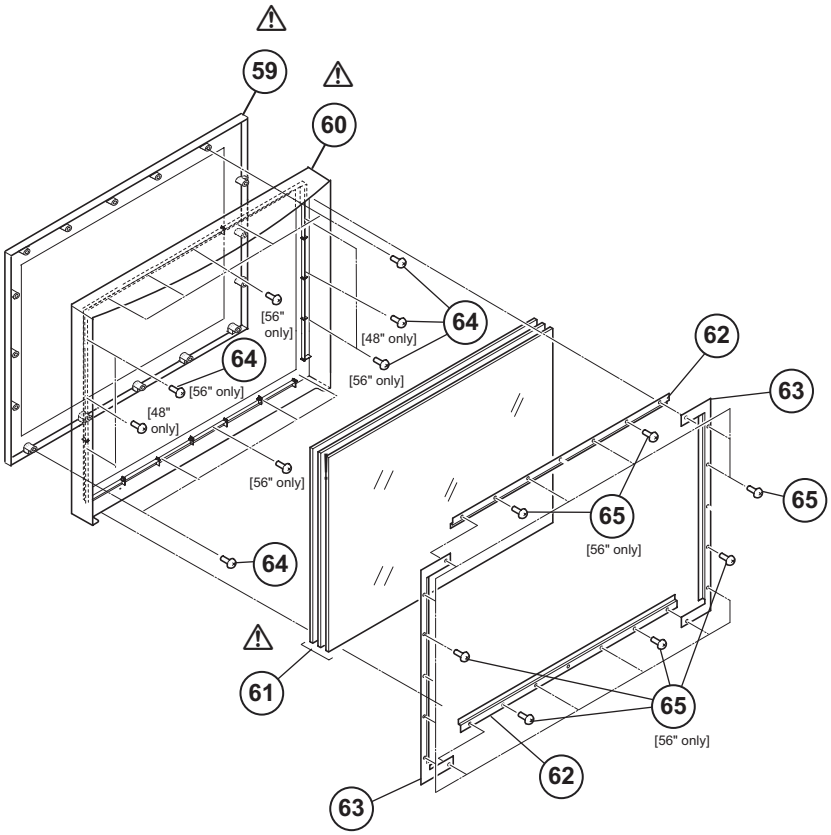
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	59	LC11793-003A-A	FRONT PANEL		AV-48P776/H,AV-48P786/H
⚠	59	LC11817-003A-A	FRONT PANEL		AV-56P776/H,AV-56P786/H
⚠	60	LC11792-001C-A	FRONT CABINET		AV-48P776/H
⚠	60	LC11792-004A-A	FRONT CABINET		AV-48P786/H
⚠	60	LC11816-001C-A	FRONT CABINET		AV-56P776/H
⚠	60	LC11816-002C-A	FRONT CABINET		AV-56P786/H
⚠	61	48SC-003A-M2	SCREEN ASSY		AV-48P776/H,AV-48P786/H
⚠	61	56SC-001A-M2	SCREEN ASSY		AV-56P776/H,AV-56P786/H
	62	LC31747-001D-A	SCREEN HOLDER(TOP/BOTTOM)	(x2)	AV-48P776/H,AV-48P786/H
	62	LC31952-001C-A	SCREEN HOLDER(TOP/BOTTOM)	(x2)	AV-56P776/H,AV-56P786/H
	63	LC21530-001B-A	SCREEN HOLDER(LEFT/RIGHT)	(x2)	AV-48P776/H,AV-48P786/H
	63	LC21531-001B-A	SCREEN HOLDER(LEFT/RIGHT)	(x2)	AV-56P776/H,AV-56P786/H
	64	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x14)	AV-48P776/H,AV-48P786/H
	64	QYSBSFG4016MA	TAP SCREW	M4 x 16mm(x20)	AV-56P776/H,AV-56P786/H
	65	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x10)	AV-48P776/H,AV-48P786/H
	65	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x14)	AV-56P776/H,AV-56P786/H

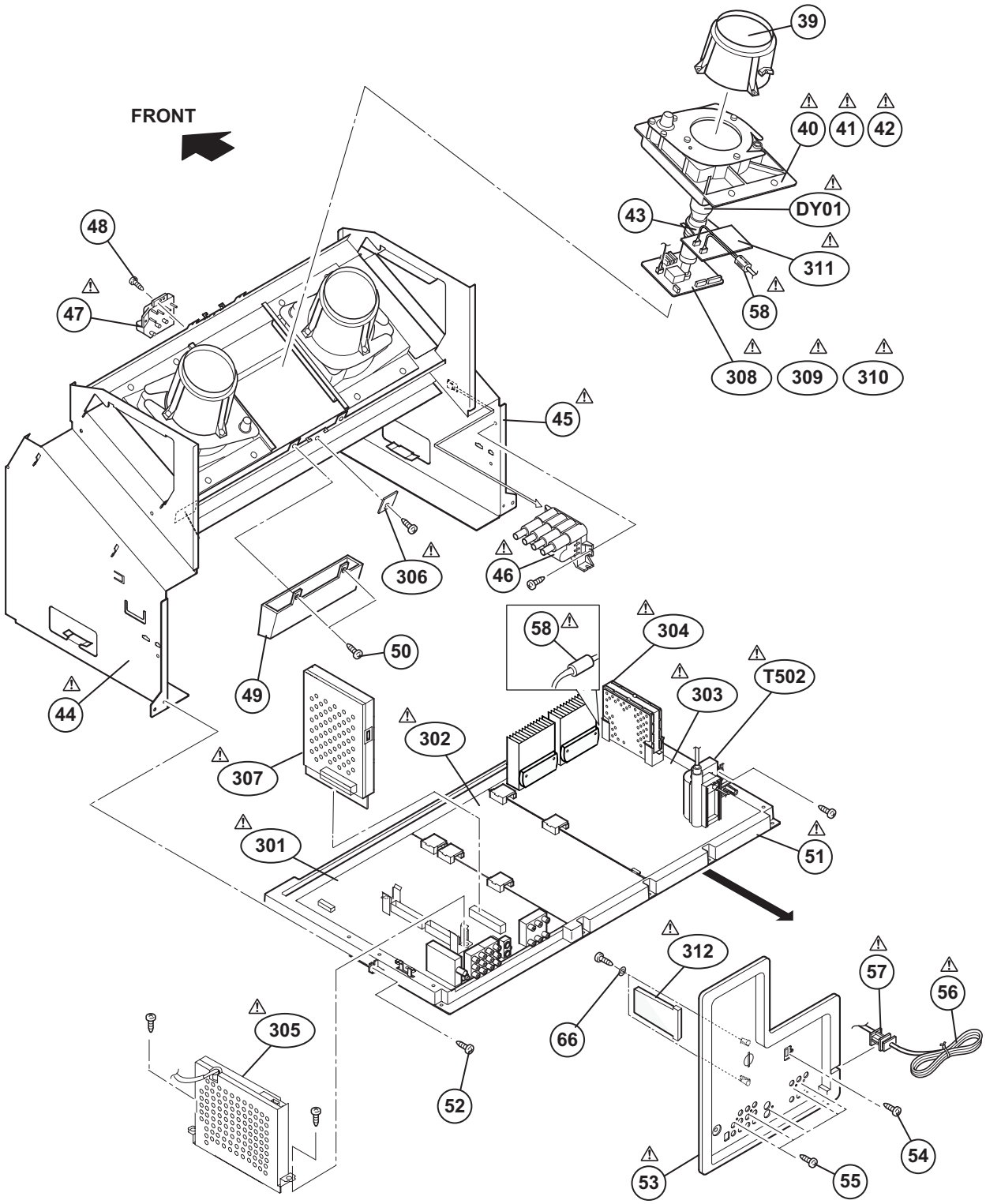
EXPLODED VIEW -2



EXPLODED VIEW PARTS LIST -3

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	DY01	QQD0107-001	DEF YOKE	(x3)	
⚠	T502	QQH0179-002	FB TRANSF		
	39	LC31735-001A-A	LENZ D250	(x3)	AV-48P776/H,AV-48P786/H
	39	LC31736-001A-A	LENS D260	(x3)	AV-56P776/H,AV-56P786/H
⚠	40	R-CRT575SAM2	R CRT 575SA		
⚠	41	G-CRT575SAM2	G CRT 575SA		
⚠	42	B-CRT575SAM2	B CRT 575SA		
	43	QAL0477-001	PC MAGNET	(x3)	
⚠	44	LC21488-002A-A	UNIT BKT RIGHT		
⚠	45	LC21488-001A-A	UNIT BKT LEFT		
⚠	46	QAE0007-002	HV DIVIDER		
⚠	47	QAE0008-001	FOCUS PACK		
	48	QYSBSGG3008ZA	TAP SCREW	M3 x 8mm	
	49	CM22765-001-A	COOLANT PAN		
	50	QYSBSG4012ZA	TAP SCREW	M4 x 12mm(x2)	
⚠	51	LC11789-002A-A	CHASSIS BASE		
	52	QYSBSG4012ZA	TAP SCREW	M4 x 12mm(x2)	
⚠	53	GQ10101-001A-A	AV BOARD		
	54	QYSPSPH3010ZA	SCREW	M3 x 10mm	
	55	QYSBSF3012ZA	TAP SCREW	M3 x 12mm(x5)	
⚠	56	QMPD200-200-JC	POWER CORD(US/CA)	2m BLACK	
⚠	57	LC20106-001D-A	POWER CORD CLAMP		
⚠	58	QQR0491-001	FERRITE CORE	(x2)	
	66	LC41705-003B-A	WASHER	(x2)	AV-48P776/H,AV-48P786/H,AV-56P776/H
	66	LC41705-005B-A	WASHER	(x2)	AV-56P786/H
⚠	301	SSR-1010A-M2	MAIN PWB		AV-48P776/H,AV-48P786/H
⚠	301	SSR-1012A-M2	MAIN PWB		AV-56P776/H,AV-56P786/H
⚠	302	SSR-9001A-M2	POWER PWB		
⚠	303	SSR-2010A-M2	DEF & CONVERGENCE OUT PWB		
⚠	304	SSR0K010A-M2	DIGITAL CONVERGENCE MODULE PWB		AV-48P776/H,AV-48P786/H
⚠	304	SSR0K011A-M2	DIGITAL CONVERGENCE MODULE PWB		AV-56P776/H,AV-56P786/H
⚠	305	SSD-2201A-M2	DIGITAL TUNER MODULE PWB		
⚠	306	SSR-8001A-M2	REMOTE SENSOR PWB		
⚠	307	SSR0D010A-M2	DIGITAL SIGNAL PWB		AV-48P776/H,AV-48P786/H
⚠	307	SSR0D011A-M2	DIGITAL SIGNAL PWB		AV-56P776/H,AV-56P786/H
⚠	308	SSR-3101A-M2	R CRT SOCKET PWB		
⚠	309	SSR-3201A-M2	G CRT SOCKET PWB		
⚠	310	SSR-3301A-M2	B CRT SOCKET PWB		
⚠	311	SSR-7201A-M2	VM PWB		
⚠	312	SSR-8501A-M2	SD CARD PWB		

EXPLODED VIEW -3



PRINTED WIRING BOARD PARTS LIST [AV-48P776/H, AV-48P786/H]

MAIN P.W. BOARD ASS'Y (SSR-1010A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	L7805CP	IC		
IC1140	CXA2205Q-X	IC		
IC1301	AN15394A	IC		
IC1401	TB1306FG	IC		
IC1402	SN74HC32NS-X	IC (DIGITAL)		
IC1403	SN74LVC3G14U-X	IC		
IC1501	CXA2089Q-X	IC		
IC1661	AN5277	IC		
IC1701	MN102HF75KPT	IC(MCU)		
IC1702	S-80828CLNB-G-W	IC		
IC1703	TPS855	PHOTO CONDUCTOR		
IC1801	TB1308FG	IC		
IC1803	ATE128-48P776H	IC	(SERVICE)	
IC1812	SN74AHC2G08T-X	IC		
IC1902	BA033T	REGULATOR IC		
IC1911	PQ033RD01SZ	IC		
IC1941	PQ1CG21H2FZ	IC		
IC1942	PQ1CY1032Z-W	IC		
IC1943	PQ1CY1032Z-W	IC		
IC1981	PQ1CY1032Z-W	IC		
IC1991	PQ120RDA1SZ	IC		
IC1993	MM1565AF-X	IC		
IC2101	QNZ0727-001	OPT CONNECTOR		
Q1103	UN221C-X	DIGI TRANSISTOR		
Q1104	2SA1530A/QR/-X	TRANSISTOR		
Q1305	2SC3928A/QR/-X	TRANSISTOR		
Q1308	2SC3928A/QR/-X	TRANSISTOR		
Q1309	2SA1022/BC/-X	TRANSISTOR		
Q1310	2SA1022/BC/-X	TRANSISTOR		
Q1311	2SA1022/BC/-X	TRANSISTOR		
Q1312	2SA1022/BC/-X	TRANSISTOR		
Q1313	2SC3837K/NP/-X	TRANSISTOR		
Q1314	2SC3837K/NP/-X	TRANSISTOR		
Q1315	2SC3837K/NP/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1531	2SA1530A/QR/-X	TRANSISTOR		
Q1668	UN2213-X	DIGI TRANSISTOR		
Q1669	2SC3928A/QR/-X	TRANSISTOR		
Q1671	UN2213-X	DIGI TRANSISTOR		
Q1672	2SC3928A/QR/-X	TRANSISTOR		
Q1673	2SA1530A/QR/-X	TRANSISTOR		
Q1674	2SC3928A/QR/-X	TRANSISTOR		
Q1701	UN2213-X	DIGI TRANSISTOR		
Q1702	2SA1530A/QR/-X	TRANSISTOR		
Q1703	2SA1530A/QR/-X	TRANSISTOR		
Q1704	2SA1530A/QR/-X	TRANSISTOR		
Q1706	2SC3928A/QR/-X	TRANSISTOR		
Q1707	2SC3928A/QR/-X	TRANSISTOR		
Q1710	2SC3928A/QR/-X	TRANSISTOR		
Q1711	2SC3928A/QR/-X	TRANSISTOR		
Q1715	2SC3928A/QR/-X	TRANSISTOR		
Q1716	2SC3928A/QR/-X	TRANSISTOR		
Q1851	2SA1530A/QR/-X	TRANSISTOR		
Q1852	2SA1530A/QR/-X	TRANSISTOR		
Q1853	2SC2785/JH/-T	TRANSISTOR		
Q1871	2SA1022/BC/-X	TRANSISTOR		
Q1881	2SA1022/BC/-X	TRANSISTOR		
Q1891	2SA1022/BC/-X	TRANSISTOR		
Q1915	UN2213-X	DIGI TRANSISTOR		
Q1916	UN2213-X	DIGI TRANSISTOR		
Q1961	2SC3928A/QR/-X	TRANSISTOR		
Q1962	2SC3928A/QR/-X	TRANSISTOR		
Q1964	2SC3928A/QR/-X	TRANSISTOR		
Q1965	UN2213-X	DIGI TRANSISTOR		
Q1983	UN2213-X	DIGI TRANSISTOR		
Q1984	2SC4682-T	TRANSISTOR		
Q2257	UN2226-X	DIGI TRANSISTOR		
Q2258	UN2226-X	DIGI TRANSISTOR		
Q2259	UN2110-X	DIGI TRANSISTOR		
D1145	MA8082/M/-X	Z DIODE		
D1146	MA8082/M/-X	Z DIODE		
D1301	MA8100/M/-X	Z DIODE		
D1302	MA111-X	SI DIODE		
D1303	MA111-X	SI DIODE		
D1304	MA111-X	SI DIODE		
D1305	MA111-X	SI DIODE		
D1306	MA111-X	SI DIODE		
D1307	MA111-X	SI DIODE		
D1401	MA8033/H/-X	Z DIODE		
D1403	MA8030/H/-X	Z DIODE		
D1405	MA111-X	SI DIODE		
D1406	MA111-X	SI DIODE		
D1667	MA111-X	SI DIODE		
D1668	MA111-X	SI DIODE		
D1669	MA111-X	SI DIODE		
D1680	MTZJ5.1B-T2	Z DIODE		
D1702	MA111-X	SI DIODE		
D1704	MA111-X	SI DIODE		
D1710	MA111-X	SI DIODE		
D1711	MA111-X	SI DIODE		
D1730	MA8068-X	Z DIODE		
D1731	MA8033-X	Z DIODE		
D1831	MA8082/M/-X	Z DIODE		
D1832	MA8082/M/-X	Z DIODE		
D1833	MA8051/M/-X	Z DIODE		
D1834	MA8051/M/-X	Z DIODE		
D1851	MA111-X	SI DIODE		
D1852	MA111-X	SI DIODE		
D1853	MA8100/M/-X	Z DIODE		
D1854	MA8100/M/-X	Z DIODE		
D1855	MA111-X	SI DIODE		
D1901	1SR35-400A-T2	SI DIODE		
D1940	MA111-X	SI DIODE		
D1947	EC31QS04-X	SB DIODE		
D1948	EC31QS04-X	SB DIODE		
D1949	EC31QS04-X	SB DIODE		
D1962	MA3030/H/-X	Z DIODE		
D1964	MA111-X	SI DIODE		
D1965	MA111-X	SI DIODE		
D1967	PTZ6.8B-X	Z DIODE		
D1968	PTZ3.9B-X	Z DIODE		
D1969	PTZ11B-X	Z DIODE		
D1981	EC31QS04-X	SB DIODE		
D1983	PTZ3.9B-X	Z DIODE		
D1991	MA111-X	SI DIODE		
D1993	MA111-X	SI DIODE		
D1994	MA8150/M/-X	Z DIODE		
D1995	MA8300/H/-X	Z DIODE		
D2101	MA8100/M/-X	Z DIODE		
D2121	MA8100/M/-X	Z DIODE		
D2201	MA8100/M/-X	Z DIODE		
D2204	MA8100/M/-X	Z DIODE		
D2205	MA8100/M/-X	Z DIODE		
D2206	MA8100/M/-X	Z DIODE		
D2209	MA8100/M/-X	Z DIODE		
D2210	MA8100/M/-X	Z DIODE		
D2212	MA8100/M/-X	Z DIODE		
D2213	MA8100/M/-X	Z DIODE		
D2215	MA8100/M/-X	Z DIODE		
D2216	MA8100/M/-X	Z DIODE		
D2217	MA8100/M/-X	Z DIODE		
D2218	MA8100/M/-X	Z DIODE		
D2219	MA8100/M/-X	Z DIODE		
D2302	MA8100/M/-X	Z DIODE		
D2304	MA8100/M/-X	Z DIODE		
D2305	MA8100/M/-X	Z DIODE		
D2307	MA8100/M/-X	Z DIODE		
D2321	MA8100/M/-X	Z DIODE		
D2322	MA8100/M/-X	Z DIODE		
D2323	MA8100/M/-X	Z DIODE		
C1101	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1102	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1103	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1140	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1141	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1145	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1146	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1147	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1148	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1149	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1150	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1151	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1152	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1153	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C1154	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C1155	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1156	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1157	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1158	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1159	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1160	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1161	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1162	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1163	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1164	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1165	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C1166	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1167	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1168	QETN1HM-105Z	E CAPACITOR	1uF 50V M	

⚠Ref No.	Part No.	Part Name	Description Local
C1169	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1170	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1171	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1172	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1301	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1302	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
C1303	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
C1304	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
C1305	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1306	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1307	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1308	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1309	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C1310	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1311	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1312	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M
C1313	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1314	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1315	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1316	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1317	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1318	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1319	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1320	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1321	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1322	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1323	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1324	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1325	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1327	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1328	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C1329	NCB31CK-563X	C CAPACITOR	0.056uF 16V K
C1330	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C1331	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1332	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1333	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1334	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1335	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1355	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1356	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1357	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1358	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1402	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1405	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1406	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1407	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1408	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1409	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C1412	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C1413	NCB31AK-105X	C CAPACITOR	1uF 10V K
C1414	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1416	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1417	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1418	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1420	NCB31HK-471X	C CAPACITOR	470pF 50V K
C1423	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1424	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1425	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
C1428	NCB31HK-122X	C CAPACITOR	1200pF 50V K
C1429	NCB31HK-392X	C CAPACITOR	3900pF 50V K
C1430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1432	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1433	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1434	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1435	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1436	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1439	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1440	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1441	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1444	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1445	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1446	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1447	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1448	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1449	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1450	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1460	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1461	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1464	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1510	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M
C1519	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1532	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C1533	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C1539	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1644	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C1667	QETN1HM-106Z	E CAPACITOR	10uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
C1668	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1669	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1670	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1672	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1673	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M
C1675	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J
C1676	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J
C1677	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1678	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1679	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1680	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1696	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1697	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C1701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1708	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1709	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1710	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1711	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1712	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1713	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1715	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C1717	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1718	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1720	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C1723	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C1724	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1725	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1726	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1727	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1728	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1729	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1730	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1731	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1732	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1734	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1739	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C1740	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1743	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1744	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C1745	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C1754	NCB31HK-122X	C CAPACITOR	1200pF 50V K
C1755	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1756	NCB31HK-122X	C CAPACITOR	1200pF 50V K
C1757	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1758	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1759	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1760	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1761	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1801	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1802	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1803	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1804	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1805	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1806	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1807	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1808	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1809	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1810	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1811	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1813	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1814	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1815	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1816	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1817	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1819	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1820	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1822	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1825	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1826	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1827	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1828	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1829	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1830	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1831	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1832	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1833	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1834	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1835	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1836	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1838	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1839	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1840	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1851	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C1861	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local
C1871	QETN1HM-336Z	E CAPACITOR	33uF 50V M
C1881	QETN1HM-336Z	E CAPACITOR	33uF 50V M
C1891	QETN1HM-336Z	E CAPACITOR	33uF 50V M
C1907	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1908	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1940	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1941	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1942	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1943	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1944	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C1945	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1946	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1947	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1948	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1949	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1950	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1951	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1952	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1953	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C1954	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1955	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1960	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1961	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1972	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1975	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1979	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C1984	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C1985	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1991	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C1992	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1995	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1996	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1998	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C2101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2103	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2104	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2106	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2126	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2127	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2128	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2144	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2145	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2258	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2259	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C2260	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
CB1743	NDC31HJ-330X	C CAPACITOR	33pF 50V J
CB1744	NDC31HJ-330X	C CAPACITOR	33pF 50V J
R1101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1107	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1108	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1113	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1140	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1141	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1143	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1144	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1145	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1147	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R1149	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1150	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1151	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1152	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1157	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1159	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1160	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1201	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1203	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1206	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1209	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1280	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1281	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1282	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1283	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1284	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1287	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1288	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1289	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1292	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1296	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1297	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1310	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1311	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1312	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1313	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1314	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R1315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1316	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1317	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1318	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1319	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1320	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1321	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1322	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1327	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1328	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1329	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1330	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1331	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1332	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1333	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1334	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1338	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1339	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1340	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1341	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1342	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1343	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1344	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1345	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1346	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1347	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
R1348	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
R1349	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R1350	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1351	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1352	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1353	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1354	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1355	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1356	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1357	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1358	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1359	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1360	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1361	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1362	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1363	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1364	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1381	NQL093K-2R2X	COIL	2.2uH K
R1382	NQL093K-2R2X	COIL	2.2uH K
R1383	NQL093K-2R2X	COIL	2.2uH K
R1384	NQL093K-2R2X	COIL	2.2uH K
R1401	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J
R1402	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1406	QRK126J-471X	UNF C RESISTOR	470Ω 1/2W J
R1407	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1408	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1409	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R1410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1411	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1412	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1413	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R1414	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1416	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1417	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1418	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1419	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R1420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1421	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1426	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1427	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1428	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1429	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1430	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1441	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1445	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1447	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1451	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1452	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1453	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1454	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1471	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1472	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1473	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1476	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1477	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1478	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1479	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1480	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1481	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1521	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1525	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1526	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1527	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1529	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1533	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1534	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1536	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1537	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1538	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1539	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1547	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1548	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1549	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1560	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R1562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1563	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1577	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1578	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1583	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1585	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1611	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1612	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1615	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1644	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1646	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1665	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1666	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1667	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1668	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1669	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1670	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1671	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R1672	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R1673	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R1674	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R1678	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R1681	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1691	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1696	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1698	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1706	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1710	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1711	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1712	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1713	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1714	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1718	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1719	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1720	NQR0489-002X	FERRITE BEADS	
R1721	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1722	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1723	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1725	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1726	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1727	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1729	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1730	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1731	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1733	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1735	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1736	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1737	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1738	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1740	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1742	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1745	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1746	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1747	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1748	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1750	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1753	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1755	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1756	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1758	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1760	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1761	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1762	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1763	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1764	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1765	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1766	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1771	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1772	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R1773	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1774	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1775	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1777	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1778	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1779	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1780	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1781	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1782	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1784	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1785	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1786	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1787	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1788	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1795	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1796	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1798	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1801	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1802	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1803	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1804	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1805	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1815	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1816	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1817	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1831	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1832	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1834	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1835	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1836	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1837	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1851	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1854	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1856	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1857	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1858	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1859	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1860	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1863	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1864	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1865	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1872	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1875	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1878	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1885	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1886	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1887	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1888	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1895	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1896	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1897	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1898	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1929	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1930	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1932	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1934	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
R1942	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R1945	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1949	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1950	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
⚠R1951	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1952	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
⚠R1957	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1958	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D
R1959	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1961	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1962	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1963	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1964	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1965	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1966	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1967	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1968	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1969	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1971	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1982	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D
R1983	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D
R1984	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
R1985	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
⚠R1986	QRK126J-331X	UNF C RESISTOR	330Ω 1/2W J
R1987	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1988	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1990	QRT039J-R68	MF RESISTOR	0.68Ω 3W J
R1991	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1993	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R2101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2104	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2106	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2122	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2123	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2126	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2127	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2145	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2146	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2147	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2148	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2256	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2257	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2266	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2267	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2271	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2272	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2279	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2302	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2306	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2307	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2308	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2322	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2324	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2325	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2326	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2328	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2329	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2347	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2349	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1718	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
RB1732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB1733	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RB1763	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB1949	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
L1401	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L1402	QQR0621-002Z	FERRITE BEADS	
L1403	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L1711	NQL79GM-1R0X	CHIP P COIL	1uH M
L1712	NQL085J-3R3X	COIL	3.3uH J
L1713	NQL085J-3R3X	COIL	3.3uH J
L1714	NQL085J-3R3X	COIL	3.3uH J
L1801	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L1802	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L1941	QQR1401-001	CHOKE COIL	
L1942	QQR1401-001	CHOKE COIL	
L1943	QQL26AK-330Z	CHOKE COIL	33uH K
L1944	QQL26AK-330Z	CHOKE COIL	33uH K
L1945	QQL26AK-220Z	CHOKE COIL	22uH K
L1946	QQL26AK-220Z	CHOKE COIL	22uH K
L1947	QQR1401-001	CHOKE COIL	
L1950	QQL26AK-470Z	CHOKE COIL	47uH K
L1951	QQL26AK-470Z	CHOKE COIL	47uH K
L1952	QQL26AK-470Z	CHOKE COIL	47uH K
L1956	QQL26AK-470Z	CHOKE COIL	47uH K
L1982	QQL26AK-470Z	CHOKE COIL	47uH K
L1983	QQR1401-001	CHOKE COIL	
L1984	QQL26AK-100Z	CHOKE COIL	10uH K
CN1001	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1002	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1003	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1004	QGB1509J1-55	CONNECTOR	B-B (1-55)
CN5001	QGB2501J1-11	CONNECTOR	B-B (1-11)
CN5002	QGB2501J1-10	CONNECTOR	B-B (1-10)
CN6001	QGB2501J1-09	CONNECTOR	B-B (1-9)
J2101	QNN0628-001	PIN JACK	V/L IN
J2111	QND0104-001	S JACK	
J2121	QNN0739-001	PIN JACK	
J2231	QNN0738-001	PIN JACK	
K1703	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K1943	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
K1944	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
LC035	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC036	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
SL1701	NAX0137-001X	C OSCILLATOR	4.000MHz
⚠TU1101	QAU0448-001	TUNER	
X1401	NAX0795-001X	C RESONATOR	
X1801	NAX0787-001X	CRISTAL	

DEF & CONVERGENCE OUT P.W. BOARD ASS'Y(SSR-2010A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC401	AN15525A	IC	
IC801	L7805CP	IC	
IC804	STK394-250	IC	
IC805	STK394-210	IC	
IC807	SN74LVC1G126V-X	IC	
Q401	2SC3311A/QR/-T	TRANSISTOR	
Q402	2SC3311A/QR/-T	TRANSISTOR	
Q501	BSN304-T	MOS FET	
Q503	2SC5931-RL	POW TRANSISTOR	
Q521	2SC3311A/QR/-T	TRANSISTOR	
Q531	IRFI620GPBF	POWER MOS FET	
Q532	2SC1959/Y/-T	TRANSISTOR	
Q533	2SA562TM/Y/-T	TRANSISTOR	
Q806	2SC3928A/QR/-X	TRANSISTOR	
Q807	2SC3928A/QR/-X	TRANSISTOR	
Q808	2SC3928A/QR/-X	TRANSISTOR	
Q809	2SC3928A/QR/-X	TRANSISTOR	
Q810	2SC3928A/QR/-X	TRANSISTOR	
Q971	2SA1208/ST/Z1-T	TRANSISTOR	
D201	1SR35-400A-T2	SI DIODE	
D301	EU2-T3	SI DIODE	
D302	EU2-T3	SI DIODE	
D303	RU30A-F1	SI DIODE	
D311	1SR124-400A-T2	SI DIODE	
D401	MTZJ75-T2	Z DIODE	
D402	1SR35-400A-T2	SI DIODE	
D403	MA111-X	SI DIODE	
D404	MA8068/M/-X	Z DIODE	
D405	MA111-X	SI DIODE	
D406	MA8068/M/-X	Z DIODE	

⚠Ref No.	Part No.	Part Name	Description Local
D501	1SS81-T2	SI DIODE	
D504	RG2A-LFC4	SI DIODE	
D506	FMV-3FU-F1	SI DIODE	
D507	V11CA-C1	SI DIODE	
D521	MA8110/H/-X	Z DIODE	
D522	MA111-X	SI DIODE	
D531	FR105GT-T3	SI DIODE	
D561	MA4068N/Z1/-T2	Z DIODE	
D562	MA4068N/Z1/-T2	Z DIODE	
D583	MA111-X	SI DIODE	
D804	1SR153-400-T2	FR DIODE	
D805	1SR153-400-T2	FR DIODE	
D811	MTZJ5.6B-T2	Z DIODE	
D812	MTZJ5.6B-T2	Z DIODE	
D841	PTZ6.8B-X	Z DIODE	
D842	PTZ5.1B-X	Z DIODE	
D844	MTZJ6.8C-T2	Z DIODE	
D845	MTZJ6.8C-T2	Z DIODE	
D846	MTZJ6.8C-T2	Z DIODE	
D847	MTZJ6.8C-T2	Z DIODE	
D850	MTZJ5.6B-T2	Z DIODE	
D972	MA8150/M/-X	Z DIODE	
D973	MA111-X	SI DIODE	
C201	QFV21HJ-334Z	MF CAPACITOR	0.33uF 50V J
C301	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C302	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C303	QETM2EM-336	E CAPACITOR	33uF 250V M
C311	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C312	QCB32HK-821Z	C CAPACITOR	820pF 500V K
C401	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C402	QFN31HJ-152Z	M CAPACITOR	1500pF 50V J
C403	QCS32HJ-180Z	C CAPACITOR	18pF 500V J
C404	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C405	QFV21HJ-104Z	MF CAPACITOR	0.1uF 50V J
C406	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C407	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C408	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J
C409	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C411	QCB31HK-222Z	C CAPACITOR	2200pF 50V K
C412	QENC1CM-226Z	BP E CAPACITOR	22uF 16V M
C413	QENC1CM-226Z	BP E CAPACITOR	22uF 16V M
C415	QFLC2AJ-823Z	M CAPACITOR	0.082uF 100V J
C416	QCB31HK-682Z	C CAPACITOR	6800pF 50V K
C501	QCB32HK-331Z	C CAPACITOR	330pF 500V K
C502	QFN32DK-103	M CAPACITOR	0.01uF 200V K
C503	QFV21HJ-224Z	MF CAPACITOR	0.22uF 50V J
C506	QFZ0122-452	MPP CAPACITOR	4500pF 1.8kV H
C507	QFZ0122-452	MPP CAPACITOR	4500pF 1.8kV H
C508	QFP32JJ-103	PP CAPACITOR	0.01uF 630V J
C511	QFZ0128-404	MPP CAPACITOR	0.4uF DC400V H
C513	QFZ0197-335	MPP CAPACITOR	3.3uF 250V J
C514	QCS32HJ-561	C CAPACITOR	560pF 500V J
C515	QFN32DJ-472Z	M CAPACITOR	4700pF 200V J
C521	QCZ0122-681	C CAPACITOR	680pF 2kV K
C522	QCZ0122-681	C CAPACITOR	680pF 2kV K
C523	QFN32AJ-682Z	M CAPACITOR	6800pF 100V J
C524	QCS31HJ-470Z	C CAPACITOR	47pF 50V J
C525	QCB31HK-682Z	C CAPACITOR	6800pF 50V K
C527	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C533	QCS32HJ-561	C CAPACITOR	560pF 500V J
C534	QFN32DK-222Z	M CAPACITOR	2200pF 200V K
C536	QFN32DJ-152Z	M CAPACITOR	1500pF 200V J
C591	QEZ0203-107	E CAPACITOR	100uF 160V M
C701	QFLC2AJ-223Z	M CAPACITOR	0.022uF 100V J
C803	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C804	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C807	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C808	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C809	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C810	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C812	NDC31HJ-181X	C CAPACITOR	180pF 50V J
C818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C819	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C820	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C821	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C822	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C823	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C824	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C825	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C827	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C828	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C829	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C830	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C831	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C832	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C833	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C834	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C838	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C844	QETN1CM-107Z	E CAPACITOR	100uF 16V M

⚠Ref No.	Part No.	Part Name	Description Local
C854	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C855	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C973	QETN1HM-106Z	E CAPACITOR	10uF 50V M
R207	NRS144F-274X	MG RESISTOR	270kΩ 1/4W F
R208	NRS144F-274X	MG RESISTOR	270kΩ 1/4W F
R209	NRS144F-184X	MG RESISTOR	180kΩ 1/4W F
R401	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R402	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D
R403	QRE121J-180Y	C RESISTOR	18Ω 1/2W J
R404	NRVA63D-682X	CMF RESISTOR	6.8kΩ 1/16W D
R405	NRVA63D-682X	CMF RESISTOR	6.8kΩ 1/16W D
R406	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D
R407	NRVA63D-821X	CMF RESISTOR	820Ω 1/16W D
R408	NRVA63D-821X	CMF RESISTOR	820Ω 1/16W D
R409	QRL029J-221	OMF RESISTOR	220Ω 2W J
R410	QRT029J-2R2	MF RESISTOR	2.2Ω 2W J
R412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R413	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R416	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R418	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R421	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R422	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R426	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R427	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R430	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R431	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R432	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R501	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R502	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J
R503	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J
R504	QRL039J-222	OMF RESISTOR	2.2kΩ 3W J
R505	QRL039J-222	OMF RESISTOR	2.2kΩ 3W J
R506	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J
R510	QRE121J-822Y	C RESISTOR	8.2kΩ 1/2W J
R511	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R512	QRL029J-331	OMF RESISTOR	330Ω 2W J
R513	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R514	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R515	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R521	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R523	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R524	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R525	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R526	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R531	QRL029J-102	OMF RESISTOR	1kΩ 2W J
R532	QRL029J-820	OMF RESISTOR	82Ω 2W J
R533	QRL029J-820	OMF RESISTOR	82Ω 2W J
R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R535	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R536	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R561	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D
R562	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D
R563	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R565	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R591	QRF154K-3R3	UNF WW RESISTOR	3.3Ω 15W K
R701	QRG01GJ-390	OMF RESISTOR	39Ω 1W J
R702	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J
R703	QRZ0056-103Z	COMP RESISTOR	10kΩ 1/2W K
R801	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R802	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R803	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R804	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R805	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R806	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R811	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R814	QRL029J-151	OMF RESISTOR	150Ω 2W J
R818	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R828	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R829	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R830	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R831	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R832	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R833	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R834	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R835	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R836	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R837	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R838	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R839	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R840	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R842	QRX01GJ-2R2	MF RESISTOR	2.2Ω 1W J
R843	QRL029J-221	OMF RESISTOR	220Ω 2W J
R844	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R846	QRX01GJ-1R5	MF RESISTOR	1.5Ω 1W J
R847	QRL029J-151	OMF RESISTOR	150Ω 2W J

⚠Ref No.	Part No.	Part Name	Description	Local
R848	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R850	QRX01GJ-2R2	MF RESISTOR	2.2Ω 1W J	
R851	QRL029J-221	OMF RESISTOR	220Ω 2W J	
R852	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R854	QRX01GJ-1R5	MF RESISTOR	1.5Ω 1W J	
R855	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R856	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R858	QRX01GJ-3R3	MF RESISTOR	3.3Ω 1W J	
R859	QRL029J-221	OMF RESISTOR	220Ω 2W J	
R860	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R862	QRX01GJ-1R8	MF RESISTOR	1.8Ω 1W J	
R863	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R864	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R866	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R873	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R874	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R972	NRSA63D-112X	MG RESISTOR	1.1kΩ 1/16W D	
R973	QRA14CF-7501Y	CMF RESISTOR	7.5kΩ 1/4W F	
R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R977	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
L301	QQLZ026-140	COIL	14uH Å}7%	
L502	QQR1408-001	CHOKE COIL		
L505	QQR1149-004	LINEARITY COIL		
L531	QQR1422-005	CHOKE COIL		
L701	QQR1422-005	CHOKE COIL		
L802	QQL521J-470	COIL	47uH J	
L811	NQL092K-R10X	COIL	0.1uH K	
L812	NQL092K-R10X	COIL	0.1uH K	
T501	QQR1111-001	DRIVE TRANSF		
T701	QQR1458-001	DEF TRANS		
CN007	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN008	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN00N	QJB003-101010-E	SIN ID C-C WIRE		
CN00Y	QJB003-123822-E	SIN ID C-B WIRE		
CN011	QGB2501J1-15	CONNECTOR	B-B (1-15)	
CN012	QGB2501J1-15	CONNECTOR	B-B (1-15)	
CN0AA	WJP0037-001A-E	W TO B CONNE		
⚠FR301	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J	
⚠FR302	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J	
⚠FR311	QRZ9011-4R7	FUSI RESISTOR	4.7Ω 1/2W J	
K401	QQR0621-002Z	FERRITE BEADS		
K501	QQR1139-001	FERRITE BEADS		
K504	QQR1139-001	FERRITE BEADS		
K801	QQR0621-002Z	FERRITE BEADS		
K802	QQR0621-002Z	FERRITE BEADS		
K803	QQR0621-002Z	FERRITE BEADS		
K804	QQR0621-002Z	FERRITE BEADS		
K805	QQR0621-002Z	FERRITE BEADS		
K806	QQR0621-002Z	FERRITE BEADS		
K807	QQR0621-002Z	FERRITE BEADS		
K808	QQR0621-002Z	FERRITE BEADS		
K809	QQR0621-002Z	FERRITE BEADS		
K810	QQR0621-002Z	FERRITE BEADS		
K811	QQR0621-002Z	FERRITE BEADS		

R CRT SOCKET P.W. BOARD ASS'Y (SSR-3101A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1001	TDA6111Q/N4	IC		
D1006	RM2C-LFA1	SI DIODE		
D1101	EU01N-T2	SI DIODE		
D1102	MA8150/M/-X	Z DIODE		
C1002	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C1004	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
⚠C1005	QFZ9027-472	MM CAPACITOR	4700pF 1000V K	
C1101	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J	
C1102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	QFZ0199-334	MPP CAPACITOR	0.33uF 250V J	
C1108	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
R1001	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
R1002	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R1003	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R1101	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1103	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1104	QRL039J-473	OMF RESISTOR	47kΩ 3W J	
R1106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1107	QRC121K-821Z	COMP RESISTOR	820Ω 1/2W K	
L1101	QQL26AJ-102Z	PEAKING COIL	1mH J	
L1102	QQL244K-5R6Z	PEAKING COIL	5.6uH K	
SG1001	QAF0056-501Z	SURGE ABSORBER	500V M	
⚠SK1001	QNZ0536-001	CRT SOCKET		

G CRT SOCKET P.W. BOARD ASS'Y (SSR-3201A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC2001	TDA6111Q/N4	IC		
D2006	RM2C-LFA1	SI DIODE		
D2101	EU01N-T2	SI DIODE		
D2102	MA8150/M/-X	Z DIODE		
C2001	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C2002	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C2004	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
⚠C2005	QFZ9027-472	MM CAPACITOR	4700pF 1000V K	
C2010	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C2101	NDC31HJ-6R0X	C CAPACITOR	6pF 50V J	
C2102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C2103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C2104	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C2107	QFZ0199-334	MPP CAPACITOR	0.33uF 250V J	
C2108	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
R2001	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
R2002	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R2003	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R2010	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	
R2011	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D	
R2012	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R2101	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R2103	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R2104	QRL039J-473	OMF RESISTOR	47kΩ 3W J	
R2106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2107	QRC121K-821Z	COMP RESISTOR	820Ω 1/2W K	
L2001	QQL26AJ-102Z	PEAKING COIL	1mH J	
L2101	QQL26AJ-102Z	PEAKING COIL	1mH J	
L2102	QQL244K-5R6Z	PEAKING COIL	5.6uH K	
CN200E	QJB003-084023-E	SIN ID C-B WIRE		
CN200V	QJB003-051810-E	SIN ID C-C WIRE		
CN2GBN	QJB003-042424-E	SIN ID C-B WIRE		
CN2RGK	QJB003-062211-E	SIN ID C-B WIRE		
CN2RGN	QJB003-042424-E	SIN ID C-B WIRE		
SG2001	QAF0056-501Z	SURGE ABSORBER	500V M	
⚠SK2001	QNZ0536-001	CRT SOCKET		

B CRT SOCKET P.W. BOARD ASS'Y (SSR-3301A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC3001	TDA6111Q/N4	IC		
Q3031	2SA1037AK/QR/-X	TRANSISTOR		
D3006	RM2C-LFA1	SI DIODE		
D3101	EU01N-T2	SI DIODE		
D3102	MA8150/M/-X	Z DIODE		
D3201	MA111-X	SI DIODE		
C3002	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3004	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
⚠C3005	QFZ9027-472	MM CAPACITOR	4700pF 1000V K	
C3101	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C3102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3104	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3107	QFZ0199-334	MPP CAPACITOR	0.33uF 250V J	
C3108	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C3201	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
R3001	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
R3002	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3003	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R3031	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	
R3032	NRSA63D-562X	MG RESISTOR	5.6kΩ 1/16W D	

⚠Ref No.	Part No.	Part Name	Description	Local
R3033	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R3101	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R3103	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R3104	QRL039J-473	OMF RESISTOR	47kΩ 3W J	
R3106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R3107	QRC121K-821Z	COMP RESISTOR	820Ω 1/2W K	
R3201	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
L3101	QQL26AJ-102Z	PEAKING COIL	1mH J	
L3102	QQL244K-5R6Z	PEAKING COIL	5.6uH K	
CN3GBK	QJB003-062211-E	SIN ID C-B WIRE		
SG3001	QAF0056-501Z	SURGE ABSORBER	500V M	
⚠SK3001	QNZ0536-001	CRT SOCKET		

VM P.W. BOARD ASS'Y (SSR-7201A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
Q7101	2SC1906-T	TRANSISTOR		
Q7102	2SA1005/MLK/-T	TRANSISTOR		
Q7103	2SC1959/Y/-T	TRANSISTOR		
Q7104	2SA562TM/Y/-T	TRANSISTOR		
Q7105	2SJ407	POWER MOS FET		
Q7106	2SK2381	POWER MOS FET		
D7101	MA111-X	SI DIODE		
D7102	FR105GT-T3	SI DIODE		
D7103	FR105GT-T3	SI DIODE		
C7101	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7102	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C7103	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C7104	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C7107	QFN32DK-103	M CAPACITOR	0.01uF 200V K	
C7108	QFN32DK-103	M CAPACITOR	0.01uF 200V K	
C7109	QETN2CM-475Z	E CAPACITOR	4.7uF 160V M	
C7110	QETN2AM-226Z	E CAPACITOR	22uF 100V M	
C7111	QETN2AM-226Z	E CAPACITOR	22uF 100V M	
C7112	QFN31HJ-222Z	M CAPACITOR	2200pF 50V J	
C7113	QFN31HJ-222Z	M CAPACITOR	2200pF 50V J	
C7116	QCS32HJ-330Z	C CAPACITOR	33pF 500V J	
C7117	QFN32DK-103	M CAPACITOR	0.01uF 200V K	
C7118	QFN32DK-103	M CAPACITOR	0.01uF 200V K	
C7119	QFKC2EK-104Z	MM CAPACITOR	0.1uF 250V K	
C7120	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
R7101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7102	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R7103	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R7105	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R7106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R7107	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R7110	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
R7111	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R7112	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R7113	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
R7114	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R7115	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R7116	QRG01GJ-150	OMF RESISTOR	15Ω 1W J	
R7119	QRG01GJ-220	OMF RESISTOR	22Ω 1W J	
R7120	QRL039J-150	OMF RESISTOR	15Ω 3W J	
R7121	QRL039J-150	OMF RESISTOR	15Ω 3W J	
R7122	QRL039J-150	OMF RESISTOR	15Ω 3W J	
R7123	QRL039J-150	OMF RESISTOR	15Ω 3W J	
R7124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
CN700J	QJB003-052610-E	SIN ID C-B WIRE		
K7101	QQR1114-001Z	FERRITE BEADS		

REMOTE SENSOR P.W. BOARD ASS'Y (SSR-8001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8001	GP1UM281QK	IR DETECT UNIT	38kHz	
D8001	MA8068-X	Z DIODE		
C8001	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8002	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R8003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R8004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

SD CARD P.W. BOARD ASS'Y (SSR-8501A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1001	W81386D-G	IC		
C1001	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1002	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1003	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1004	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1005	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1006	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C1007	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1008	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1009	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1010	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C1011	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	
C1012	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
R1001	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1003	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1004	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1008	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1012	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1014	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1027	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
RA1001	NRZ0040-473X	NET RESISTOR	47kΩ 1/16W J x4	
RA1002	NRZ0040-473X	NET RESISTOR	47kΩ 1/16W J x4	
L1001	NQR0506-001X	EMI FILTER		
LC1001	NQR0415-001X	EMI FILTER	1uF 10V M	
X1001	NAX0644-001X	CRYSTAL	6.000000MHz	

POWER P.W. BOARD ASS'Y (SSR-9001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC911	STR-X6737M-F2	IC		
IC921	SE140N	IC		
IC922	L7805CP	IC		
Q811	UN221C-X	DIGI TRANSISTOR		
Q950	UN221C-X	DIGI TRANSISTOR		
Q952	UN221C-X	DIGI TRANSISTOR		
Q953	2SC3928A/QR/-X	TRANSISTOR		
Q954	UN221C-X	DIGI TRANSISTOR		
Q955	UN2211-X	TRANSISTOR		
Q956	2SC3928A/QR/-X	TRANSISTOR		
Q960	UN2211-X	TRANSISTOR		
Q961	UN221C-X	DIGI TRANSISTOR		
Q962	2SA965/OY/-T	TRANSISTOR		
Q970	2SC3928A/QR/-X	TRANSISTOR		
D815	MA8150/M/-X	Z DIODE		
D816	MA8068/M/-X	Z DIODE		
⚠D901	RBV-606	BRIDGE DIODE		
⚠D911	FR105GT-T3	SI DIODE		
D912	FR105GT-T3	SI DIODE		
D913	MA111-X	SI DIODE		
D914	MA111-X	SI DIODE		
D915	SARS01-T2	SI DIODE		
D920	MA111-X	SI DIODE		
D921	MA8056/M/-X	Z DIODE		
D931	RU4AM-F1	SI DIODE		
D932	FMX-G12S	SI DIODE		
D935	RU3YX-LFC4	SI DIODE		
D936	FMX-G12S	SI DIODE		
D937	FR105GT-T3	SI DIODE		
D938	FMX-G12S	SI DIODE		
D939	MTZJ5.1B-T2	Z DIODE		
D940	MTZJ5.1B-T2	Z DIODE		
D943	MTZJ12A-T2	Z DIODE		
D956	MA111-X	SI DIODE		
D957	MA111-X	SI DIODE		
D958	MA8068/M/-X	Z DIODE		
D959	MA111-X	SI DIODE		

⚠Ref No.	Part No.	Part Name	Description Local
D961	MA8100/M/-X	Z DIODE	
D970	MA8030/H/-X	Z DIODE	
D978	AU01Z-T2	FR DIODE	
⚠C801	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C802	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C803	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
C901	QEZ0572-687	E CAPACITOR	680uF 200V M
⚠C902	QEZ0572-687	E CAPACITOR	680uF 200V M
C903	NCB31HK-221X	C CAPACITOR	220pF 50V K
⚠C904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C906	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C908	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C912	QCZ0340-332	C CAPACITOR	3300pF 2kV K
C913	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C914	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C916	QCS31HJ-331Z	C CAPACITOR	330pF 50V J
C917	QFN31HJ-332Z	M CAPACITOR	3300pF 50V J
C918	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J
C919	QFP32GJ-103	PP CAPACITOR	0.01uF 400V J
C920	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C930	QCS31HJ-181Z	C CAPACITOR	180pF 50V J
C931	QEZ0203-227	E CAPACITOR	220uF 160V M
C932	QETM1EM-228	E CAPACITOR	2200uF 25V M
C934	QETM1VM-228	E CAPACITOR	2200uF 35V M
C935	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C937	QCZ0340-152	C CAPACITOR	1500pF 2kV K
C938	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C943	QETN1EM-227Z	E CAPACITOR	220uF 25V M
C945	QETM1HM-108	E CAPACITOR	1000uF 50V M
C948	QETN1EM-227Z	E CAPACITOR	220uF 25V M
C949	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C951	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C954	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C955	NCB21AK-105X	C CAPACITOR	1uF 10V K
C959	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
⚠C993	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C994	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C995	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C997	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C998	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C999	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠R801	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
R812	QRE121J-104Y	C RESISTOR	100kΩ 1/2W J
R813	QRE121J-104Y	C RESISTOR	100kΩ 1/2W J
R814	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R815	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R816	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R818	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R901	QRF154K-R51	UNF WW RESISTOR	0.51Ω 15W K
R910	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J
R911	QRL029J-393	OMF RESISTOR	39kΩ 2W J
R912	QRT029J-R15	MF RESISTOR	0.15Ω 2W J
R913	QRT029J-R18	MF RESISTOR	0.18Ω 2W J
R917	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R918	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R920	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R922	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R923	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R925	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R932	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R935	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R936	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R937	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R941	QRL029J-183	OMF RESISTOR	18kΩ 2W J
R944	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J
R948	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R957	QRL029J-102	OMF RESISTOR	1kΩ 2W J
R959	QRE121J-121Y	C RESISTOR	120Ω 1/2W J
R961	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R962	QRE121J-153Y	C RESISTOR	15kΩ 1/2W J
R963	QRE121J-153Y	C RESISTOR	15kΩ 1/2W J
R964	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D
R965	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R967	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R968	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R969	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R971	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R973	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R974	QRE121J-153Y	C RESISTOR	15kΩ 1/2W J
R975	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
R976	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R980	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R982	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R988	QRG01GJ-220	OMF RESISTOR	22Ω 1W J
L931	QQL26AK-470Z	CHOKE COIL	47uH K
L934	QQLZ026-500	COIL	50uH Å}7%
L936	QQL26AK-220Z	CHOKE COIL	22uH K
⚠T921	QQS0264-001	SW TRANSF	
CN001	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN002	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN003	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN007	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN008	QGB1506L1-16	CONNECTOR	B-B (1-16)
⚠CP934	ICP-N70-T	IC PROTECTOR	2.5A
⚠CP935	ICP-N70-T	IC PROTECTOR	2.5A
⚠CP936	ICP-N70-T	IC PROTECTOR	2.5A
⚠CP941	ICP-N70-T	IC PROTECTOR	2.5A
⚠CP942	ICP-N70-T	IC PROTECTOR	2.5A
⚠CP943	ICP-N20-T	IC PROTECTOR	800mA
⚠F801	QMF61U1-7R0-S	FUSE	7A AC125V
⚠F905	QMFZ049-5R0Z-E	FUSE	5A 125V
⚠FR915	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J
K914	QQR0582-001Z	FERRITE BEADS	
K930	QQR0621-002Z	FERRITE BEADS	
K931	QQR0621-002Z	FERRITE BEADS	
K932	QQR0582-001Z	FERRITE BEADS	
K935	QQR0621-002Z	FERRITE BEADS	
K937	QQR0621-002Z	FERRITE BEADS	
K938	QQR0621-002Z	FERRITE BEADS	
⚠LF801	QQR1407-001	LINE FILTER	
⚠LF802	QQR1407-001	LINE FILTER	
⚠PC811	PS2581AL1/QW/	PHOTO COUPLER	
⚠PC921	PS2581AL1/QW/	PHOTO COUPLER	
⚠RY952	QSK0083-001	RELAY	
⚠VA801	QAF0060-621	VARISTOR	620V

DIGITAL SIGNAL P.W. BOARD ASS'Y (SSR0D010A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC005	SN74LVC1G02V-X	IC	
IC013	SN74AHC2G34T-X	IC	
IC014	TC7MB3257FK-X	IC	
IC106	S-80828CLNB-G-W	IC	
IC107	LP3964EMP-ADJ-X	IC	
IC205	SN74LVC2G126T-X	IC	
IC206	SN74LVC1G126V-X	IC	
IC631	TC7S66F-X	IC(DIGITAL)	
IC1004	LP2995M-X	IC	
IC3001	JCC5055A	IC	
IC3101	UPD64012GJ	IC	
IC3107	K4S161622H-UC60	IC	
IC3108	SN74LVC1G08V-X	IC	
IC3111	R1170H331B-X	IC	
IC3501	K4D263238F-UC50	IC	
IC3502	K4D263238F-UC50	IC	
ICB001	SN74AHC1G66K-X	IC	
ICB002	SN74AHC1G66K-X	IC	
ICB003	SN74AHC1G66K-X	IC	
Q3001	2SC3928A/QR/-X	TRANSISTOR	
Q3002	2SA1530A/QR/-X	TRANSISTOR	
Q3003	2SC3928A/QR/-X	TRANSISTOR	
Q3004	2SA1530A/QR/-X	TRANSISTOR	
QB011	2SC3837K/NP/-X	TRANSISTOR	
QB012	2SA1022/BC/-X	TRANSISTOR	
QB014	2SA1022/BC/-X	TRANSISTOR	
QB015	2SA1022/BC/-X	TRANSISTOR	
QB019	2SC3928A/QR/-X	TRANSISTOR	
QB021	2SC3837K/NP/-X	TRANSISTOR	
QB022	2SA1022/BC/-X	TRANSISTOR	
QB024	2SA1022/BC/-X	TRANSISTOR	
QB031	2SC3837K/NP/-X	TRANSISTOR	
QB032	2SA1022/BC/-X	TRANSISTOR	
QB034	2SA1022/BC/-X	TRANSISTOR	
QB151	2SA1022/BC/-X	TRANSISTOR	
QB152	2SC3928A/QR/-X	TRANSISTOR	
QB181	2SA1022/BC/-X	TRANSISTOR	
QB182	2SC3928A/QR/-X	TRANSISTOR	
QB212	2SC3837K/NP/-X	TRANSISTOR	
QB213	2SC3837K/NP/-X	TRANSISTOR	
QB214	2SC3837K/NP/-X	TRANSISTOR	
QB215	2SC3837K/NP/-X	TRANSISTOR	
QB242	2SC3837K/NP/-X	TRANSISTOR	
QB243	2SC3837K/NP/-X	TRANSISTOR	
QB244	2SC3837K/NP/-X	TRANSISTOR	
QB245	2SC3837K/NP/-X	TRANSISTOR	
QB272	2SC3837K/NP/-X	TRANSISTOR	
QB273	2SC3837K/NP/-X	TRANSISTOR	
QB274	2SC3837K/NP/-X	TRANSISTOR	

⚠Ref No.	Part No.	Part Name	Description	Local
QB275	2SC3837K/NP/-X	TRANSISTOR		
QB632	2SC3837K/NP/-X	TRANSISTOR		
QB633	2SC3837K/NP/-X	TRANSISTOR		
QB634	2SC3837K/NP/-X	TRANSISTOR		
QB635	2SC3837K/NP/-X	TRANSISTOR		
QB636	2SA1022/BC/-X	TRANSISTOR		
QB637	2SC3837K/NP/-X	TRANSISTOR		
QB1811	SSM3K17FU-X	MOS FET		
QB1812	SSM3K17FU-X	MOS FET		
QB1821	SSM3K17FU-X	MOS FET		
QB1822	SSM3K17FU-X	MOS FET		
D1002	MA8030/H/-X	Z DIODE		
C1018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1067	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C1077	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1078	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1082	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C3002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3005	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3011	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3024	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3037	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3075	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3102	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3104	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3106	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3108	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3109	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3110	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3112	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C3113	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C3114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3117	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3119	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3121	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3125	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3126	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3127	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3129	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	

⚠Ref No.	Part No.	Part Name	Description	Local
C3130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3132	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3133	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3134	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3135	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3136	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3137	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C3138	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3139	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3140	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3141	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3142	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3143	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3145	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3146	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3147	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3148	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3149	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3150	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3151	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3152	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3153	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3154	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3155	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3156	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3157	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3158	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3159	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3160	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3161	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3162	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3163	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3170	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3171	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3172	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3173	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3174	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3180	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3185	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3186	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3187	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C3188	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3532	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K	
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M	
C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C3561	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C3562	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
CB010	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
CB011	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
CB016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
CB023	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
CB070	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
CB111	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
CB112	NENA1AM-106X	BP E CAPACITOR	10uF 10V M	
CB119	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
CB120	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
CB122	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB127	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB151	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
CB152	NENA1AM-336X	BP E CAPACITOR	33uF 10V M	
CB154	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
CB155	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
CB156	NEHM1CM-476X	E CAPACITOR	47uF 16V M	
CB157	NDC31HJ-820X	C CAPACITOR	82pF 50V J	

⚠Ref No.	Part No.	Part Name	Description Local
CB181	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
CB182	NENA1AM-336X	BP E CAPACITOR	33uF 10V M
CB184	NDC31HJ-820X	C CAPACITOR	82pF 50V J
CB185	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB186	NEHM1CM-476X	E CAPACITOR	47uF 16V M
CB187	NDC31HJ-820X	C CAPACITOR	82pF 50V J
CB190	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB302	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
CB303	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
CB360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
CB364	NBP51CM-476X	TA E CAPACITOR	47uF 16V M
CB371	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CB375	NDC31HJ-101X	C CAPACITOR	100pF 50V J
CB381	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
CB428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB511	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB515	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB517	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB519	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB521	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB522	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB528	NDC31HJ-270X	C CAPACITOR	27pF 50V J
CB541	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB542	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB543	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB545	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB547	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB549	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB551	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB552	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB553	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB571	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB572	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB573	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB575	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB577	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB579	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB581	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB582	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB583	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB635	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB636	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB638	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB640	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
CB641	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB645	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J
CB646	NDC31HJ-390X	C CAPACITOR	39pF 50V J
CB647	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
CB1208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB1226	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB1228	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CB1244	NEHM1CM-476X	E CAPACITOR	47uF 16V M
CB1246	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB1250	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB1254	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB1255	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
R1014	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1015	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3010	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D
R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D
R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3105	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3106	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3107	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3108	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3109	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3110	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3171	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3173	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3181	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3182	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3186	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3187	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3188	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3201	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3202	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3203	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3204	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3205	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3206	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3502	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3503	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3505	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3507	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3509	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3511	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3514	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3516	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3518	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3520	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3522	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3524	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3525	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3527	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3529	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3531	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3533	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3536	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3538	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3540	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3542	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3544	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3550	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R3551	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
RA3101	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3102	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3103	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3104	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3105	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3106	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3107	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3108	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3110	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3111	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3112	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3113	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RB001	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
RB002	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RB003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB005	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
RB010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB016	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
RB017	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RB018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB020	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB029	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
RB030	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RB031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB038	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB055	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB056	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB091	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB095	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB110	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB111	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB113	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
RB116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB120	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB121	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
RB122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB123	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB124	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB125	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
RB126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB129	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
RB130	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
RB131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB140	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB141	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB143	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
RB146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB150	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB151	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
RB152	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB153	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB154	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
RB155	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB159	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB160	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
RB161	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB170	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB171	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB173	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
RB176	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB180	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB181	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
RB182	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB183	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB184	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
RB185	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB186	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB189	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB190	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
RB191	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB348	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB357	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB362	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
RB363	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
RB364	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
RB383	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB463	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB464	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB465	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB466	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
RB511	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
RB512	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB513	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J
RB514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
RB517	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB518	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB519	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
RB520	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB521	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB522	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB523	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB524	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
RB525	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
RB526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB527	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
RB528	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D
RB529	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
RB530	NRSA63D-561X	MG RESISTOR	560Ω 1/16W D
RB531	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB532	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB533	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB534	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
RB541	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
RB542	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB543	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J
RB544	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
RB547	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB548	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
RB549	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB550	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB551	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB552	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB554	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
RB555	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
RB556	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
RB557	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
RB558	NRSA63D-391X	MG RESISTOR	390Ω 1/16W D
RB559	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB560	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB561	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB562	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
RB571	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
RB572	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB573	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J
RB574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
RB577	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB578	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
RB579	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB580	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB581	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB582	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB584	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
RB585	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
RB586	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
RB587	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
RB588	NRSA63D-391X	MG RESISTOR	390Ω 1/16W D
RB589	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB590	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB591	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB592	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
RB631	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
RB632	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB633	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J
RB634	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
RB637	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
RB638	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB639	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
RB640	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB641	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
RB642	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB643	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB644	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB646	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
RB647	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
RB648	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
RB649	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
RB650	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
RB651	NRSA63D-821X	MG RESISTOR	820Ω 1/16W D
RB652	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB653	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB654	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB655	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB656	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB657	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB658	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
RB659	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB660	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
RB1201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1212	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1218	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1219	NCB31AK-105X	C CAPACITOR	1uF 10V K
RB1220	NCB31AK-105X	C CAPACITOR	1uF 10V K
RB1221	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
RB1222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1223	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1225	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
RB1232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1247	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1248	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1249	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1250	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1811	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB1812	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB1821	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB1822	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
L1004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1005	NQR0413-003X	FERRITE BEADS	
L1006	NQR0413-003X	FERRITE BEADS	
L1007	NQR0413-003X	FERRITE BEADS	
L1017	NQR0489-002X	FERRITE BEADS	
L1018	NQL092K-R47X	COIL	0.47uH K
L1019	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3006	NQR0413-003X	FERRITE BEADS	
L3010	NQR0489-002X	FERRITE BEADS	
L3012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L3101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3103	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3105	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
LB021	NQR0489-002X	FERRITE BEADS	
LB022	NQR0489-002X	FERRITE BEADS	
LB211	NQL092K-2R2X	COIL	2.2uH K
LB241	NQL092K-2R2X	COIL	2.2uH K
LB271	NQL092K-2R2X	COIL	2.2uH K
LB631	NQL092K-2R2X	COIL	2.2uH K
CN004	QGB1509K1-55T	CONNECTOR	B-B (1-55)
J001	NNZ0117-001	HDMI CONNECTOR	
K1009	NQR0489-002X	FERRITE BEADS	
K3001	NQR0489-002X	FERRITE BEADS	
K3180	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
LC027	NQR0483-005X	EMI FILTER	100uF 25V Z
LC1208	NQR0483-005X	EMI FILTER	100uF 25V Z
LC1226	NQR0483-005X	EMI FILTER	100uF 25V Z
LC1228	NQR0483-005X	EMI FILTER	100uF 25V Z
LC1250	NQR0483-005X	EMI FILTER	100uF 25V Z
LC1254	NQR0483-005X	EMI FILTER	100uF 25V Z
X1001	NAX0635-001X	CXO	
X3003	NAX0526-001X	CXO	74.1758MHz
X3101	NAX0666-001X	CRYSTAL	24.576000MHz

FRONT CONTROL P.W. BOARD ASS'Y (SSR0L010A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
Q0701	2SC3928A/QR/-X	TRANSISTOR	
Q0702	2SC3928A/QR/-X	TRANSISTOR	
D0402	MA8100/M/-X	Z DIODE	
D0403	MA8100/M/-X	Z DIODE	
D0404	MA8100/M/-X	Z DIODE	
D0405	MA8100/M/-X	Z DIODE	
D0406	MA8100/M/-X	Z DIODE	
D0701	LG22440	LED	POWER
D0703	MA8068-X	Z DIODE	
D0704	MA8068-X	Z DIODE	
D0735	MA8100/M/-X	Z DIODE	
C0442	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C0443	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C0444	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C0445	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C0446	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J
C0711	QETN1CM-336Z	E CAPACITOR	33uF 16V M
C0712	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
R0401	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0402	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R0403	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R0404	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0405	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R0413	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0414	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0415	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0416	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0706	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R0707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0708	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R0711	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R0712	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R0732	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R0748	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R0749	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R0750	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R0751	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
J0401	QNZ0438-001	AV JACK	S/V/L/R IN
S0701	QSW0619-003Z	TACT SWITCH	POWER
S0702	QSW0619-003Z	TACT SWITCH	MENU
S0703	QSW0619-003Z	TACT SWITCH	CH-
S0704	QSW0619-003Z	TACT SWITCH	CH+
S0705	QSW0619-003Z	TACT SWITCH	VOL-
S0706	QSW0619-003Z	TACT SWITCH	VOL+
S0707	QSW0619-003Z	TACT SWITCH	SUPER FOCUS

DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SSR0K010A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
⚠MD001	SSR0K010A-M2	DIGITAL CONVERGENCE MODULE PWB	

DIGITAL TUNER MODULE P.W. BOARD ASS'Y (SSD-2201A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
⚠MD001	SSD-2201A-M2	DIGITAL TUNER MODULE PWB	

PRINTED WIRING BOARD PARTS LIST [AV-56P776/H,AV-56P786/H]

MAIN P.W. BOARD ASS'Y (SSR-1012A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	L7805CP	IC		
IC1140	CXA2205Q-X	IC		
IC1301	AN15394A	IC		
IC1401	TB1306FG	IC		
IC1402	SN74HC32NS-X	IC (DIGITAL)		
IC1403	SN74LVC3G14U-X	IC		
IC1501	CXA2089Q-X	IC		
IC1661	AN5277	IC		
IC1701	MN102HF75KPT	IC(MCU)		
IC1702	S-80828CLNB-G-W	IC		
IC1703	TPS855	PHOTO CONDUCTOR		
IC1801	TB1308FG	IC		
IC1803	ATE128-48P776H	IC	(SERVICE)	
IC1812	SN74AHC2G08T-X	IC		
IC1902	BA033T	REGULATOR IC		
IC1911	PQ033RD01SZ	IC		
IC1941	PQ1CG21H2FZ	IC		
IC1942	PQ1CY1032Z-W	IC		
IC1943	PQ1CY1032Z-W	IC		
IC1981	PQ1CY1032Z-W	IC		
IC1991	PQ120RDA1SZ	IC		
IC1993	MM1565AF-X	IC		
IC2101	QNZ0727-001	OPT CONNECTOR		
Q1103	UN221C-X	DIGI TRANSISTOR		
Q1104	2SA1530A/QR/-X	TRANSISTOR		
Q1305	2SC3928A/QR/-X	TRANSISTOR		
Q1308	2SC3928A/QR/-X	TRANSISTOR		
Q1309	2SA1022/BC/-X	TRANSISTOR		
Q1310	2SA1022/BC/-X	TRANSISTOR		
Q1311	2SA1022/BC/-X	TRANSISTOR		
Q1312	2SA1022/BC/-X	TRANSISTOR		
Q1313	2SC3837K/NP/-X	TRANSISTOR		
Q1314	2SC3837K/NP/-X	TRANSISTOR		
Q1315	2SC3837K/NP/-X	TRANSISTOR		
Q1401	2SC3928A/QR/-X	TRANSISTOR		
Q1531	2SA1530A/QR/-X	TRANSISTOR		
Q1668	UN2213-X	DIGI TRANSISTOR		
Q1669	2SC3928A/QR/-X	TRANSISTOR		
Q1671	UN2213-X	DIGI TRANSISTOR		
Q1672	2SC3928A/QR/-X	TRANSISTOR		
Q1673	2SA1530A/QR/-X	TRANSISTOR		
Q1674	2SC3928A/QR/-X	TRANSISTOR		
Q1701	UN2213-X	DIGI TRANSISTOR		
Q1702	2SA1530A/QR/-X	TRANSISTOR		
Q1703	2SA1530A/QR/-X	TRANSISTOR		
Q1704	2SA1530A/QR/-X	TRANSISTOR		
Q1706	2SC3928A/QR/-X	TRANSISTOR		
Q1707	2SC3928A/QR/-X	TRANSISTOR		
Q1710	2SC3928A/QR/-X	TRANSISTOR		
Q1711	2SC3928A/QR/-X	TRANSISTOR		
Q1715	2SC3928A/QR/-X	TRANSISTOR		
Q1716	2SC3928A/QR/-X	TRANSISTOR		
Q1851	2SA1530A/QR/-X	TRANSISTOR		
Q1852	2SA1530A/QR/-X	TRANSISTOR		
Q1853	2SC2785/JH/-T	TRANSISTOR		
Q1871	2SA1022/BC/-X	TRANSISTOR		
Q1881	2SA1022/BC/-X	TRANSISTOR		
Q1891	2SA1022/BC/-X	TRANSISTOR		
Q1915	UN2213-X	DIGI TRANSISTOR		
Q1916	UN2213-X	DIGI TRANSISTOR		
Q1961	2SC3928A/QR/-X	TRANSISTOR		
Q1962	2SC3928A/QR/-X	TRANSISTOR		
Q1964	2SC3928A/QR/-X	TRANSISTOR		
Q1965	UN2213-X	DIGI TRANSISTOR		
Q1983	UN2213-X	DIGI TRANSISTOR		
Q1984	2SC4682-T	TRANSISTOR		
Q2257	UN2226-X	DIGI TRANSISTOR		
Q2258	UN2226-X	DIGI TRANSISTOR		
Q2259	UN2110-X	DIGI TRANSISTOR		
D1145	MA8082/M/-X	Z DIODE		
D1146	MA8082/M/-X	Z DIODE		
D1301	MA8100/M/-X	Z DIODE		
D1302	MA111-X	SI DIODE		
D1303	MA111-X	SI DIODE		
D1304	MA111-X	SI DIODE		
D1305	MA111-X	SI DIODE		
D1306	MA111-X	SI DIODE		
D1307	MA111-X	SI DIODE		
D1401	MA8033/H/-X	Z DIODE		
D1403	MA8030/H/-X	Z DIODE		
D1405	MA111-X	SI DIODE		
D1406	MA111-X	SI DIODE		
D1667	MA111-X	SI DIODE		
D1668	MA111-X	SI DIODE		
D1669	MA111-X	SI DIODE		
D1680	MTZJ5.1B-T2	Z DIODE		
D1702	MA111-X	SI DIODE		
D1704	MA111-X	SI DIODE		
D1710	MA111-X	SI DIODE		
D1711	MA111-X	SI DIODE		
D1730	MA8068-X	Z DIODE		
D1731	MA8033-X	Z DIODE		
D1831	MA8082/M/-X	Z DIODE		
D1832	MA8082/M/-X	Z DIODE		
D1833	MA8051/M/-X	Z DIODE		
D1834	MA8051/M/-X	Z DIODE		
D1851	MA111-X	SI DIODE		
D1852	MA111-X	SI DIODE		
D1853	MA8100/M/-X	Z DIODE		
D1854	MA8100/M/-X	Z DIODE		
D1855	MA111-X	SI DIODE		
D1901	1SR35-400A-T2	SI DIODE		
D1940	MA111-X	SI DIODE		
D1947	EC31QS04-X	SB DIODE		
D1948	EC31QS04-X	SB DIODE		
D1949	EC31QS04-X	SB DIODE		
D1962	MA3030/H/-X	Z DIODE		
D1964	MA111-X	SI DIODE		
D1965	MA111-X	SI DIODE		
D1967	PTZ6.8B-X	Z DIODE		
D1968	PTZ3.9B-X	Z DIODE		
D1969	PTZ11B-X	Z DIODE		
D1981	EC31QS04-X	SB DIODE		
D1983	PTZ3.9B-X	Z DIODE		
D1991	MA111-X	SI DIODE		
D1993	MA111-X	SI DIODE		
D1994	MA8150/M/-X	Z DIODE		
D1995	MA8300/H/-X	Z DIODE		
D2101	MA8100/M/-X	Z DIODE		
D2121	MA8100/M/-X	Z DIODE		
D2201	MA8100/M/-X	Z DIODE		
D2204	MA8100/M/-X	Z DIODE		
D2205	MA8100/M/-X	Z DIODE		
D2206	MA8100/M/-X	Z DIODE		
D2209	MA8100/M/-X	Z DIODE		
D2210	MA8100/M/-X	Z DIODE		
D2212	MA8100/M/-X	Z DIODE		
D2213	MA8100/M/-X	Z DIODE		
D2215	MA8100/M/-X	Z DIODE		
D2216	MA8100/M/-X	Z DIODE		
D2217	MA8100/M/-X	Z DIODE		
D2218	MA8100/M/-X	Z DIODE		
D2219	MA8100/M/-X	Z DIODE		
D2302	MA8100/M/-X	Z DIODE		
D2304	MA8100/M/-X	Z DIODE		
D2305	MA8100/M/-X	Z DIODE		
D2307	MA8100/M/-X	Z DIODE		
D2321	MA8100/M/-X	Z DIODE		
D2322	MA8100/M/-X	Z DIODE		
D2323	MA8100/M/-X	Z DIODE		
C1101	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1102	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1103	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1140	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1141	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C1145	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1146	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1147	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1148	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1149	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1150	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1151	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	
C1152	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1153	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C1154	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C1155	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1156	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1157	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1158	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1159	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1160	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1161	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1162	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1163	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1164	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1165	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C1166	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1167	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1168	QETN1HM-105Z	E CAPACITOR	1uF 50V M	

⚠Ref No.	Part No.	Part Name	Description Local
C1169	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1170	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1171	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1172	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1301	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1302	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
C1303	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
C1304	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M
C1305	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1306	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1307	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1308	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1309	QETN1AM-107Z	E CAPACITOR	100uF 10V M
C1310	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1311	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1312	QETN1EM-475Z	E CAPACITOR	4.7uF 25V M
C1313	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1314	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1315	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1316	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1317	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1318	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1319	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1320	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1321	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1322	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1323	NCB11CK-105X	C CAPACITOR	1uF 16V K
C1324	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1325	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1327	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1328	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C1329	NCB31CK-563X	C CAPACITOR	0.056uF 16V K
C1330	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C1331	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1332	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1333	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1334	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1335	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1355	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1356	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1357	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1358	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1402	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1405	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1406	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1407	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1408	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1409	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C1412	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C1413	NCB31AK-105X	C CAPACITOR	1uF 10V K
C1414	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1416	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1417	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1418	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1420	NCB31HK-471X	C CAPACITOR	470pF 50V K
C1423	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1424	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1425	NCB31AK-224X	C CAPACITOR	0.22uF 10V K
C1428	NCB31HK-122X	C CAPACITOR	1200pF 50V K
C1429	NCB31HK-392X	C CAPACITOR	3900pF 50V K
C1430	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1431	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1432	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1433	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1434	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1435	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1436	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1439	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1440	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1441	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1444	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1445	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1446	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1447	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1448	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1449	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1450	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1460	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1461	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1464	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1510	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M
C1519	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1532	QETN1HM-226Z	E CAPACITOR	22uF 50V M
C1533	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C1539	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1644	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C1667	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1668	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1669	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1670	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1672	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1673	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M
C1675	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J
C1676	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J
C1677	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1678	QETN1EM-108Z	E CAPACITOR	1000uF 25V M
C1679	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1680	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1696	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1697	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C1701	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1708	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1709	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1710	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1711	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1712	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1713	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1715	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C1717	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1718	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1720	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C1723	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C1724	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1725	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1726	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1727	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1728	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1729	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1730	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1731	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1732	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1734	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1739	NDC31HJ-391X	C CAPACITOR	390pF 50V J
C1740	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1743	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1744	NDC31HJ-390X	C CAPACITOR	39pF 50V J
C1745	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
C1754	NCB31HK-122X	C CAPACITOR	1200pF 50V K
C1755	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1756	NCB31HK-122X	C CAPACITOR	1200pF 50V K
C1757	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1758	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1759	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1760	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1761	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1801	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1802	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1803	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1804	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1805	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1806	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1807	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1808	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1809	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1810	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1811	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1812	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1813	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1814	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1815	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1816	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C1817	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1819	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1820	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1822	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1825	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1826	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1827	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1828	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1829	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1830	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1831	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C1832	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1833	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1834	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1835	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1836	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1838	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1839	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1840	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1851	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C1861	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local
C1871	QETN1HM-336Z	E CAPACITOR	33uF 50V M
C1881	QETN1HM-336Z	E CAPACITOR	33uF 50V M
C1891	QETN1HM-336Z	E CAPACITOR	33uF 50V M
C1907	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1908	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1940	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1941	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1942	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1943	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1944	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C1945	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1946	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1947	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1948	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1949	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1950	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1951	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1952	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1953	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C1954	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1955	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1960	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1961	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1972	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1975	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M
C1979	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C1984	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C1985	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C1991	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C1992	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1995	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1996	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1998	QETN1AM-477Z	E CAPACITOR	470uF 10V M
C2101	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2103	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2104	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2106	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2126	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2127	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2128	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2144	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C2145	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2258	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2259	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C2260	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
CB1743	NDC31HJ-330X	C CAPACITOR	33pF 50V J
CB1744	NDC31HJ-330X	C CAPACITOR	33pF 50V J
R1101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1107	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1108	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1113	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1140	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1141	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1143	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1144	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1145	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1147	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R1149	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1150	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1151	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1152	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1157	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1159	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1160	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1201	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1202	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1203	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1206	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1209	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1280	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1281	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1282	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1283	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1284	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1287	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1288	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1289	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1292	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1296	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1297	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1310	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1311	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1312	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1313	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1314	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R1315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1316	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1317	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1318	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1319	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1320	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1321	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1322	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1327	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1328	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1329	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1330	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1331	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1332	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1333	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1334	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1338	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1339	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1340	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1341	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1342	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1343	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1344	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1345	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1346	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1347	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
R1348	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
R1349	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R1350	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1351	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1352	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1353	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1354	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1355	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1356	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1357	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1358	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1359	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1360	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1361	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1362	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1363	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1364	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1381	NQL093K-2R2X	COIL	2.2uH K
R1382	NQL093K-2R2X	COIL	2.2uH K
R1383	NQL093K-2R2X	COIL	2.2uH K
R1384	NQL093K-2R2X	COIL	2.2uH K
R1401	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J
R1402	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R1403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1406	QRK126J-471X	UNF C RESISTOR	470Ω 1/2W J
R1407	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1408	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1409	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R1410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1411	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1412	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1413	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R1414	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1416	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1417	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1418	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1419	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R1420	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1421	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1426	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1427	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1428	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1429	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1430	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1441	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1445	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1447	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1451	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1452	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1453	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1454	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1471	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1472	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1473	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1476	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1477	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1478	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1479	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1480	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1481	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1521	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1525	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1526	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1527	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1529	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1533	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1534	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1536	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1537	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1538	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1539	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1547	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1548	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1549	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1560	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R1562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1563	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1577	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1578	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1583	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1585	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1611	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1612	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1615	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1618	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1644	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1646	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1665	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1666	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1667	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1668	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1669	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1670	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1671	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R1672	QRJ146J-2R2X	UNF C RESISTOR	2.2Ω 1/4W J
R1673	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R1674	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J
R1678	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R1681	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1691	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1696	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1698	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1704	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1706	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1710	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1711	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1712	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1713	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1714	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1715	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1717	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1718	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1719	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1720	NQR0489-002X	FERRITE BEADS	
R1721	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1722	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1723	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1725	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1726	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1727	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1729	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1730	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1731	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1733	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1735	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1736	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1737	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1738	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1740	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1741	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1742	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1744	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1745	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1746	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1747	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1748	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1750	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1753	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1755	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1756	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1758	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1760	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1761	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1762	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1763	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1764	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1765	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1766	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1768	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1771	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1772	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J
R1773	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1774	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1775	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1777	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1778	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1779	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1780	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1781	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1782	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1784	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1785	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1786	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1787	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1788	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1795	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1796	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1798	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1801	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1802	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1803	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1804	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1805	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1815	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1816	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1817	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1831	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1832	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1834	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1835	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1836	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1837	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1851	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1854	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1856	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1857	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1858	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1859	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1860	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1863	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1864	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1865	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1872	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1875	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1878	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1885	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1886	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1887	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1888	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1895	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1896	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1897	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1898	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1929	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1930	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1932	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1934	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
R1942	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R1945	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1949	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1950	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
⚠R1951	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1952	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
⚠R1957	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1958	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D
R1959	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1961	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1962	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1963	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1964	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1965	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1966	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1967	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1968	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1969	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1971	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1982	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D
R1983	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D
R1984	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
R1985	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
⚠R1986	QRK126J-331X	UNF C RESISTOR	330Ω 1/2W J
R1987	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1988	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1990	QRT039J-R68	MF RESISTOR	0.68Ω 3W J
R1991	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1993	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R2101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2104	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2106	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2122	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2123	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2126	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2127	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2145	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2146	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2147	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2148	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2256	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2257	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2266	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2267	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2271	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2272	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2279	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2280	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2302	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2304	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2305	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2306	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2307	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2308	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2322	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2324	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2325	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2326	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2328	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2329	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2341	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2343	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2344	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2347	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2349	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1718	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
RB1732	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB1733	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RB1763	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB1949	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
L1401	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L1402	QQR0621-002Z	FERRITE BEADS	
L1403	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L1711	NQL79GM-1R0X	CHIP P COIL	1uH M
L1712	NQL085J-3R3X	COIL	3.3uH J
L1713	NQL085J-3R3X	COIL	3.3uH J
L1714	NQL085J-3R3X	COIL	3.3uH J
L1801	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L1802	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
L1941	QQR1401-001	CHOKE COIL	
L1942	QQR1401-001	CHOKE COIL	
L1943	QQL26AK-330Z	CHOKE COIL	33uH K
L1944	QQL26AK-330Z	CHOKE COIL	33uH K
L1945	QQL26AK-220Z	CHOKE COIL	22uH K
L1946	QQL26AK-220Z	CHOKE COIL	22uH K
L1947	QQR1401-001	CHOKE COIL	
L1950	QQL26AK-470Z	CHOKE COIL	47uH K
L1951	QQL26AK-470Z	CHOKE COIL	47uH K
L1952	QQL26AK-470Z	CHOKE COIL	47uH K
L1956	QQL26AK-470Z	CHOKE COIL	47uH K
L1982	QQL26AK-470Z	CHOKE COIL	47uH K
L1983	QQR1401-001	CHOKE COIL	
L1984	QQL26AK-100Z	CHOKE COIL	10uH K
CN1001	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1002	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1003	QGB1506L1-16	CONNECTOR	B-B (1-16)
CN1004	QGB1509J1-55	CONNECTOR	B-B (1-55)
CN5001	QGB2501J1-11	CONNECTOR	B-B (1-11)
CN5002	QGB2501J1-10	CONNECTOR	B-B (1-10)
CN6001	QGB2501J1-09	CONNECTOR	B-B (1-9)
J2101	QNN0628-001	PIN JACK	V/L IN
J2111	QND0104-001	S JACK	
J2121	QNN0739-001	PIN JACK	
J2231	QNN0738-001	PIN JACK	
K1703	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K1943	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
K1944	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J
LC035	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
LC036	NQR0470-001X	EMI FILTER	22pF 50V +50%-20%
SL1701	NAX0137-001X	C OSCILLATOR	4.000MHz
⚠TU1101	QAU0448-001	TUNER	
X1401	NAX0795-001X	C RESONATOR	
X1801	NAX0787-001X	CRISTAL	

DEF & CONVERGENCE OUT P.W. BOARD ASS'Y(SSR-2010A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

R CRT SOCKET P.W. BOARD ASS'Y (SSR-3101A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

G CRT SOCKET P.W. BOARD ASS'Y (SSR-3201A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

B CRT SOCKET P.W. BOARD ASS'Y (SSR-3301A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

VM P.W. BOARD ASS'Y (SSR-7201A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

REMOTE SENSOR P.W. BOARD ASS'Y (SSR-8001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

SD CARD P.W. BOARD ASS'Y (SSR-8501A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SSR-9001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

DIGITAL SIGNAL P.W. BOARD ASS'Y (SSR0D011A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC005	SN74LVC1G02V-X	IC	
IC013	SN74AHC2G34T-X	IC	
IC014	TC7MB3257FK-X	IC	
IC106	S-80828CLNB-G-W	IC	
IC107	LP3964EMP-ADJ-X	IC	
IC205	SN74LVC2G126T-X	IC	
IC206	SN74LVC1G126V-X	IC	
IC631	TC7S66F-X	IC(DIGITAL)	
IC1004	LP2995M-X	IC	
IC3001	JCC5055A	IC	
IC3101	UPD64012GJ	IC	
IC3107	K4S161622H-UC60	IC	
IC3108	SN74LVC1G08V-X	IC	
IC3111	R1170H331B-X	IC	
IC3501	K4D263238F-UC50	IC	
IC3502	K4D263238F-UC50	IC	
ICB001	SN74AHC1G66K-X	IC	
ICB002	SN74AHC1G66K-X	IC	
ICB003	SN74AHC1G66K-X	IC	
Q3001	2SC3928A/QR/-X	TRANSISTOR	
Q3002	2SA1530A/QR/-X	TRANSISTOR	
Q3003	2SC3928A/QR/-X	TRANSISTOR	
Q3004	2SA1530A/QR/-X	TRANSISTOR	
QB011	2SC3837K/NP/-X	TRANSISTOR	
QB012	2SA1022/BC/-X	TRANSISTOR	
QB014	2SA1022/BC/-X	TRANSISTOR	
QB015	2SA1022/BC/-X	TRANSISTOR	
QB019	2SC3928A/QR/-X	TRANSISTOR	
QB021	2SC3837K/NP/-X	TRANSISTOR	
QB022	2SA1022/BC/-X	TRANSISTOR	
QB024	2SA1022/BC/-X	TRANSISTOR	
QB031	2SC3837K/NP/-X	TRANSISTOR	
QB032	2SA1022/BC/-X	TRANSISTOR	
QB034	2SA1022/BC/-X	TRANSISTOR	
QB151	2SA1022/BC/-X	TRANSISTOR	
QB152	2SC3928A/QR/-X	TRANSISTOR	
QB181	2SA1022/BC/-X	TRANSISTOR	
QB182	2SC3928A/QR/-X	TRANSISTOR	
QB212	2SC3837K/NP/-X	TRANSISTOR	
QB213	2SC3837K/NP/-X	TRANSISTOR	
QB214	2SC3837K/NP/-X	TRANSISTOR	
QB215	2SC3837K/NP/-X	TRANSISTOR	
QB242	2SC3837K/NP/-X	TRANSISTOR	
QB243	2SC3837K/NP/-X	TRANSISTOR	
QB244	2SC3837K/NP/-X	TRANSISTOR	
QB245	2SC3837K/NP/-X	TRANSISTOR	
QB272	2SC3837K/NP/-X	TRANSISTOR	
QB273	2SC3837K/NP/-X	TRANSISTOR	
QB274	2SC3837K/NP/-X	TRANSISTOR	
QB275	2SC3837K/NP/-X	TRANSISTOR	
QB632	2SC3837K/NP/-X	TRANSISTOR	
QB633	2SC3837K/NP/-X	TRANSISTOR	
QB634	2SC3837K/NP/-X	TRANSISTOR	
QB635	2SC3837K/NP/-X	TRANSISTOR	
QB636	2SA1022/BC/-X	TRANSISTOR	
QB637	2SC3837K/NP/-X	TRANSISTOR	
QB1811	SSM3K17FU-X	MOS FET	
QB1812	SSM3K17FU-X	MOS FET	
QB1821	SSM3K17FU-X	MOS FET	
QB1822	SSM3K17FU-X	MOS FET	
D1002	MA8030/H/-X	Z DIODE	
C1018	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1067	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C1077	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1078	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1082	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C3002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3005	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3007	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local
C3011	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3024	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3037	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3075	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3102	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C3104	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3106	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3108	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3109	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3110	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3112	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3113	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C3114	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3117	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3119	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3121	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3125	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3126	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3127	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3129	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C3130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3132	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C3133	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3134	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3135	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3136	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3137	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C3138	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3139	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3140	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3141	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3142	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3143	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3145	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C3146	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3147	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3148	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3149	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3150	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3151	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3152	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3153	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3154	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3155	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3156	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local
C3157	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3158	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3159	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3160	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3161	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3162	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3163	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3170	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3171	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3172	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3173	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3174	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3180	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3185	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C3186	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C3187	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3188	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3532	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3561	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
C3562	NCF31AZ-105X	C CAPACITOR	1uF 10V Z
CB008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB010	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB011	NEHL1CM-106X	E CAPACITOR	10uF 16V M
CB016	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB023	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB070	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB111	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
CB112	NENA1AM-106X	BP E CAPACITOR	10uF 10V M
CB119	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB120	NEHM1CM-476X	E CAPACITOR	47uF 16V M
CB122	NDC31HJ-330X	C CAPACITOR	33pF 50V J
CB127	NDC31HJ-330X	C CAPACITOR	33pF 50V J
CB151	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
CB152	NENA1AM-336X	BP E CAPACITOR	33uF 10V M
CB154	NDC31HJ-820X	C CAPACITOR	82pF 50V J
CB155	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB156	NEHM1CM-476X	E CAPACITOR	47uF 16V M
CB157	NDC31HJ-820X	C CAPACITOR	82pF 50V J
CB181	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
CB182	NENA1AM-336X	BP E CAPACITOR	33uF 10V M
CB184	NDC31HJ-820X	C CAPACITOR	82pF 50V J
CB185	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB186	NEHM1CM-476X	E CAPACITOR	47uF 16V M
CB187	NDC31HJ-820X	C CAPACITOR	82pF 50V J
CB190	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB302	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
CB303	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
CB360	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
CB364	NBP51CM-476X	TA E CAPACITOR	47uF 16V M
CB371	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CB375	NDC31HJ-101X	C CAPACITOR	100pF 50V J
CB381	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
CB428	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB429	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB511	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB512	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB515	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB517	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB519	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB521	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB522	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB523	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB524	NCB31CK-104X	C CAPACITOR	0.1uF 16V K

⚠Ref No.	Part No.	Part Name	Description Local
CB528	NDC31HJ-270X	C CAPACITOR	27pF 50V J
CB541	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB542	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB543	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB545	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB547	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB549	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB551	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB552	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB553	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB571	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB572	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB573	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB575	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB577	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB579	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB581	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB582	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB583	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB631	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB632	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB633	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB635	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB636	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB638	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J
CB640	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
CB641	NEHL1CM-476X	E CAPACITOR	47uF 16V M
CB642	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB643	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB644	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB645	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J
CB646	NDC31HJ-390X	C CAPACITOR	39pF 50V J
CB647	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
CB1208	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB1226	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB1228	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CB1244	NEHM1CM-476X	E CAPACITOR	47uF 16V M
CB1246	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB1250	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB1254	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
CB1255	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
R1014	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R1015	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3001	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3004	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3010	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R3018	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3019	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3020	NRSA02J-3R3X	MG RESISTOR	3.3Ω 1/10W J
R3021	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3022	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3023	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R3024	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3028	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3029	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D
R3030	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R3031	NRSA63D-151X	MG RESISTOR	150Ω 1/16W D
R3032	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3033	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3034	NRSA63J-5R6X	MG RESISTOR	5.6Ω 1/16W J
R3036	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3040	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R3041	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3042	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R3043	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R3044	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R3047	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R3048	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R3053	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R3054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3063	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3064	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3090	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3091	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3092	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3093	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3094	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3095	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3096	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3097	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R3098	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3099	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3101	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3102	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3103	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3104	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3105	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3106	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3107	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3108	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3109	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3110	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3171	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3173	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3181	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R3182	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3186	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3187	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3188	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3201	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3202	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3203	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3204	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3205	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3206	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3502	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3503	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3505	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3507	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3509	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3511	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3514	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3516	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3518	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3520	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3522	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3524	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3525	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3527	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3529	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3531	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3533	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3536	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3538	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3540	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3542	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3544	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J
R3550	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R3551	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3101	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3102	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3103	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3104	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3105	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3106	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3107	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3108	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3110	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3111	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3112	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3113	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4
RB001	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
RB002	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RB003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB005	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
RB010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB016	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
RB017	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RB018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB020	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB025	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB029	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
RB030	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
RB031	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB033	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB038	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB055	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB056	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB091	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB095	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB110	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB111	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB113	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
RB116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB120	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB121	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
RB122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB123	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB124	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB125	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
RB126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB129	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
RB130	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
RB131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB140	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB141	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB143	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
RB146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB150	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB151	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
RB152	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB153	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB154	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
RB155	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB157	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB159	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB160	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
RB161	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB170	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB171	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB173	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
RB176	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB180	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB181	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
RB182	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB183	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB184	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
RB185	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
RB186	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB187	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB189	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB190	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
RB191	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB348	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB357	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB362	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
RB363	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
RB364	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
RB383	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB463	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB464	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB465	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB466	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
RB511	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
RB512	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB513	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J
RB514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
RB517	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB518	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB519	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
RB520	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB521	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
RB522	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB523	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB524	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
RB525	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
RB526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB527	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
RB528	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D
RB529	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J
RB530	NRSA63D-561X	MG RESISTOR	560Ω 1/16W D
RB531	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB532	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB533	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB534	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
RB541	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
RB542	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB543	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J
RB544	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
RB547	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB548	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
RB549	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB550	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB551	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB552	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB554	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
RB555	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
RB556	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
RB557	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
RB558	NRSA63D-391X	MG RESISTOR	390Ω 1/16W D
RB559	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB560	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB561	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB562	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
RB571	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
RB572	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB573	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J
RB574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
RB577	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB578	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
RB579	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB580	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB581	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB582	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB584	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
RB585	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
RB586	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
RB587	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
RB588	NRSA63D-391X	MG RESISTOR	390Ω 1/16W D
RB589	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB590	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB591	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB592	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
RB631	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
RB632	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB633	NRSA63J-242X	MG RESISTOR	2.4kΩ 1/16W J
RB634	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
RB637	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
RB638	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB639	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
RB640	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
RB641	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
RB642	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB643	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
RB644	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB646	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
RB647	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB648	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
RB649	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
RB650	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
RB651	NRSA63D-821X	MG RESISTOR	820Ω 1/16W D
RB652	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
RB653	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
RB654	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB655	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RB656	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
RB657	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB658	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
RB659	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
RB660	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
RB1201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1203	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1209	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1212	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1214	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1216	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1218	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1219	NCB31AK-105X	C CAPACITOR	1uF 10V K
RB1220	NCB31AK-105X	C CAPACITOR	1uF 10V K
RB1221	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
RB1222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1223	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1225	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
RB1232	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1247	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1248	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1249	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1250	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB1811	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB1812	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB1821	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
RB1822	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
L1004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L1005	NQR0413-003X	FERRITE BEADS	
L1006	NQR0413-003X	FERRITE BEADS	
L1007	NQR0413-003X	FERRITE BEADS	
L1017	NQR0489-002X	FERRITE BEADS	
L1018	NQL092K-R47X	COIL	0.47uH K
L1019	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3006	NQR0413-003X	FERRITE BEADS	
L3010	NQR0489-002X	FERRITE BEADS	
L3012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L3101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3102	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3103	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L3105	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
LB021	NQR0489-002X	FERRITE BEADS	
LB022	NQR0489-002X	FERRITE BEADS	
LB211	NQL092K-2R2X	COIL	2.2uH K
LB241	NQL092K-2R2X	COIL	2.2uH K
LB271	NQL092K-2R2X	COIL	2.2uH K
LB631	NQL092K-2R2X	COIL	2.2uH K
CN004	QGB1509K1-55T	CONNECTOR	B-B (1-55)
J001	NNZ0117-001	HDMI CONNECTOR	
K1009	NQR0489-002X	FERRITE BEADS	
K3001	NQR0489-002X	FERRITE BEADS	
K3180	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
LC027	NQR0483-005X	EMI FILTER	100uF 25V Z
LC1208	NQR0483-005X	EMI FILTER	100uF 25V Z
LC1226	NQR0483-005X	EMI FILTER	100uF 25V Z
LC1228	NQR0483-005X	EMI FILTER	100uF 25V Z
LC1250	NQR0483-005X	EMI FILTER	100uF 25V Z
LC1254	NQR0483-005X	EMI FILTER	100uF 25V Z
X1001	NAX0635-001X	CXO	
X3003	NAX0526-001X	CXO	74.1758MHz
X3101	NAX0666-001X	CRYSTAL	24.576000MHz

DIGITAL SIGNAL P.W. BOARD ASS'Y (SSR0D010A-M2)

REFER TO PARTS LIST IN PAGE 3-17 FOR THIS P.W. BOARD.

DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SSR0K011A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
⚠MD001	SSR0K011A-M2	DIGITAL CONVERGENCE MODULE PWB	

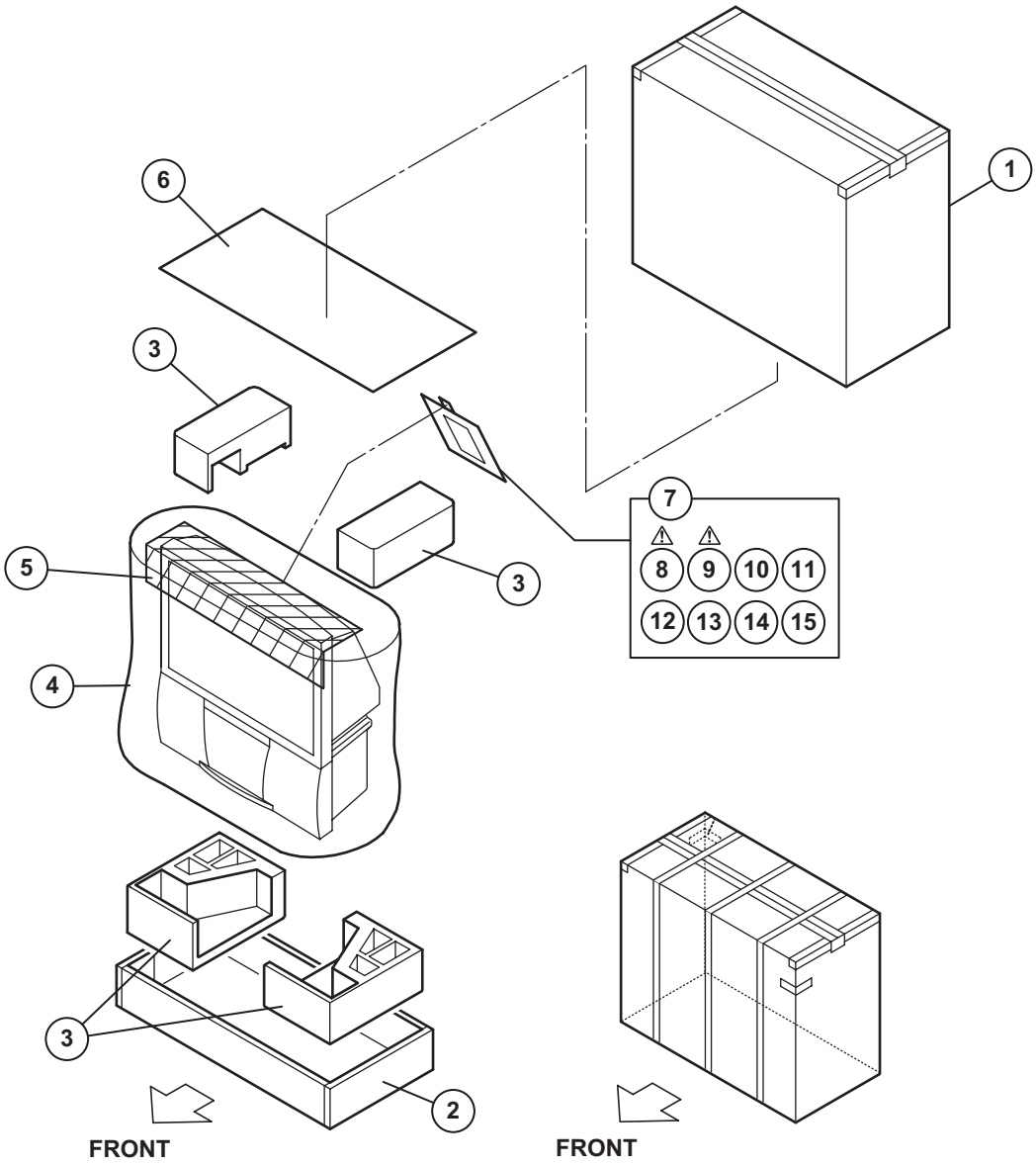
DIGITAL TUNER MODULE P.W. BOARD ASS'Y (SSD-2201A-M2)

REFER TO PARTS LIST IN PAGE 3-21 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
		UR77EC0603	BATTERY COVER		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	GQ10091-004A-A	PACKING CASE(TOP)		AV-48P776/H,AV-48P786/H
	1	GQ10091-005A-A	PACKING CASE(TOP)		AV-56P776/H,AV-56P786/H
	2	LC31759-001C-A	PACKING CASE(BOTTOM)		AV-48P776/H,AV-48P786/H
	2	LC31759-002B-A	PACKING CASE(BOTTOM)		AV-56P776/H,AV-56P786/H
	3	LC11790-002C-A	CUSHION ASSY	4pcs in 1set	AV-48P776/H,AV-48P786/H
	3	LC11811-002C-A	CUSHION ASSY	4pcs in 1set	AV-56P776/H,AV-56P786/H
	4	CP30056-010-A	POLY BAG		AV-48P776/H,AV-48P786/H
	4	CP30056-011-A	POLY BAG		AV-56P776/H,AV-56P786/H
	5	CP30055-007-A	TOP COVER		
	6	GQ30053-001A-A	TOP SHEET		AV-48P776/H,AV-48P786/H
	7	QPA02503505	POLY BAG	25cm x 35cm	
⚠	8	LCT1885-001A-A	INST BOOK	English	
⚠	9	LCT1886-001A-A	INST BOOK	French	
	10	LCT1826-001B-A	INST SHEET		
	11	GQ40028-001A-A	INSERT SHEET		
	12	BT-51034-2Q	REGIST. CARD		
	13	----------	WARRANTY CARD	BT-52006-2Q	
	14	RM-C1270G-1H	REMOCON		
	15	----------	BATTERY	R6P/AA(x2)	